

CANADIAN INDUSTRY IN 1871

Ontario County Series #18

MIDDLESEX COUNTY INDUSTRIES, 1871 INDEX TO MANUSCRIPT CENSUS

G.T. Bloomfield & Elizabeth Bloomfield

G.T. Bloomfield, series editor



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The view of Whitevale, Township of Pickering, was chosen to illustrate Canadian industry in 1871. At this time, a high proportion of manufacturing activity was still located in small settlements, some of which were growing rapidly into towns. **Lovell's Directory** (1871) described Whitevale as:

A thriving village...[with] extensive flouring and woollen mills... Montreal Telegraph Co has an office here. Distant from Whitby, the county town, and a station of the Grand Trunk Railway, 13 miles. Mail daily. Population about 250.

Truman P. White has acquired the water rights at Majorville on Duffin's Creek in 1845 and developed a grist mill, a saw mill and, later, a woollen mill. By 1871 the census enumerated six significant industrial establishments employing 66 workers and with a total value of production amounting to \$125,000. The transition from waterwheels (70 horsepower) to steam engines (66 horsepower) was already apparent in the village by this date. In common with its counterparts across the country, Whitevale's basic industrial activities were closely associated with the local agricultural area. There was also considerable economic integration apparent in the ownership of several establishments by Truman P. White and in the making of staves in the sawmill for the cooper shop which in turn supplied the flour mill with basic containers for transporting the flour to market.

Unlike many of its contemporaries, Whitevale has remained about the same size ever since 1871. The 1971 census recorded a population of only 273 in the unincorporated settlement. Whitevale never achieved connection by railway, county road or provincial highway. Much of the surrounding land was acquired for the planned Pickering airport and new town in 1972/3 and today the settlement is threatened by the creation of a municipal solid waste dump for Metropolitan Toronto and the Durham Region.

The illustration was first published in the **Illustrated Historical Atlas of the County of Ontario** (Toronto: J.H. Bees and Co., 1877), reprinted Ross Cumming, 1972).

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CANADIAN INDUSTRY IN 1871 (CANIND71) PROJECT

Ontario County Series #18

**MIDDLESEX COUNTY INDUSTRIES, 1871
INDEX TO MANUSCRIPT CENSUS**

G.T. Bloomfield & Elizabeth Bloomfield

G.T. Bloomfield, series editor

Department of Geography

University of Guelph

Copies may be ordered from:

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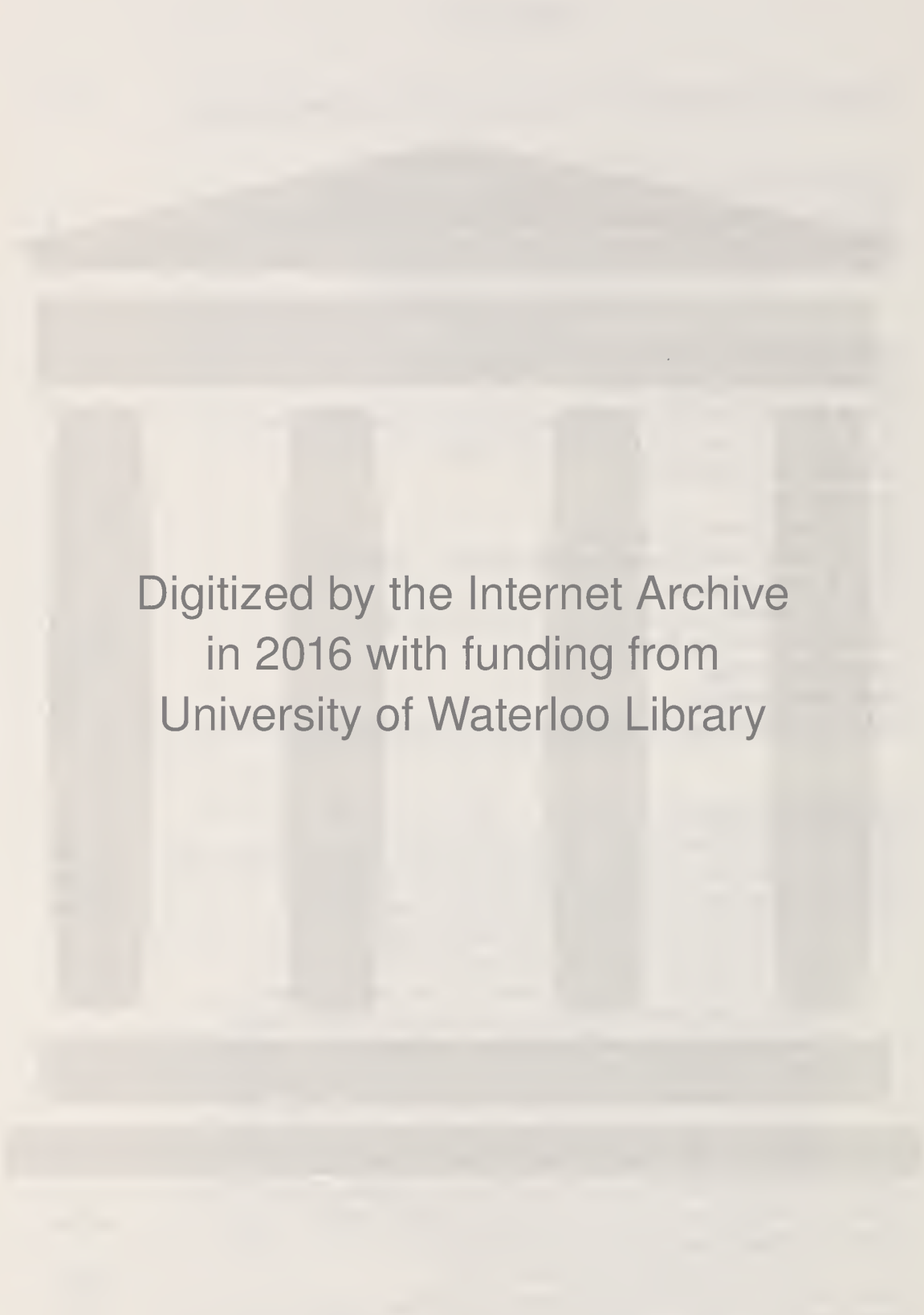
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CONTENTS

	<i>page</i>
1 CANADIAN INDUSTRY IN 1871: ONTARIO COUNTY SERIES	
2 INTRODUCTION TO THE CANIND71 DATABASE	1
<i>Table 1: Standard Industrial Classification adapted for 1871</i>	<i>5</i>
<i>Table 2: Standard Industrial Classification: Major Groups and SIC codes</i>	<i>6</i>
<i>Table 3: Variable Names in CANIND71 Database</i>	<i>7</i>
3 MIDDLESEX COUNTY INDUSTRIES, 1871	9
Census and Municipal Units	9
<i>Table 4: Middlesex County: Census Districts and Sub-Districts</i>	<i>10</i>
<i>Table 5: Middlesex County: Central Places</i>	<i>11</i>
Location and Distribution	14
Industry Types	14
<i>Fig. 1: Middlesex County map</i>	<i>15</i>
<i>Fig. 2: Comparative Industrial Structures</i>	<i>16</i>
Size of Establishment	17
<i>Table 6: Ontario and Middlesex County: Firm Size</i>	<i>18</i>
<i>CANIND71 Sample Records (12)</i>	<i>19-27</i>
Power Technology	28
Work Environments	28
<i>Table 7: Distribution of Workers in Work Environments</i>	<i>29</i>
4 APPENDIX TABLES	31
<i>Table A-1: Middlesex County: Geographical Summary of Firms, 1871</i>	<i>32</i>
<i>Table A-2: Middlesex County and London Structures, 1871</i>	<i>33-34</i>
<i>Table A-3: Basic SIC codes for Middlesex County, 1871</i>	<i>35-36</i>
<i>Table A-4: Listings of Individual Establishments,</i> <i>by Value of Output, for Various SIC Types, 1871</i>	<i>37-56</i>
<i>Pork packers; cheese factories; flour mills; bakeries;</i> <i>beverage makers; tanneries; saddlers; bootmakers; textile</i> <i>producers; paper mills; clothing producers; saw mills;</i> <i>coopers; planing mills; building contractors; furniture</i> <i>shops; tinsmiths; machinery producers; carriage and</i> <i>wagon shops; brick, marble and lime works; oil</i> <i>refineries and chemical works; and blacksmiths.</i>	
<i>Table A-5: Middlesex County: Firms Using Inanimate Power, 1871</i>	<i>57</i>
<i>Table A-6: Middlesex County: Firms Employing Women in 1871</i>	<i>58-59</i>
<i>Table A-7: Middlesex County excluding London:</i> <i>Firms by Name of Proprietor, 1871</i>	<i>60-69</i>
<i>Table A-8: London: Firms by Name of Proprietor, 1871</i>	<i>70-74</i>
<i>Table A-9: Strathroy and Wardsville:</i> <i>Firms by Name of Proprietor, 1871</i>	<i>75-76</i>



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CANADIAN INDUSTRY IN 1871: ONTARIO COUNTY SERIES

The first Census of Canada was taken at a time when the "hum of industry" was believed to be an essential sign of a community's progress, usually associated with the benefits of railway connections. Many people at this time seem to have shared Thomas Keefer's vision of "the civilizing tendency of the locomotive":

A town has been built and peopled by the operatives -- land rises rapidly in value -- the neglected swamp is cleared and the timber is converted into all sorts of wooden "notions" -- tons of vegetables, grains or grasses are grown where none grew before -- the patient click of the loom, the busy hum of the spindle, the thundering of the trip-hammer and the roaring of steam, are mingled in one continuous sound of active industry.¹

The CANIND71 database created from the manuscript census schedules of industrial establishments is used in this series to provide snapshots of industrial activity in Ontario just after Confederation, at a time of transition in technology, business organization and work discipline. The 36 Ontario counties varied in the amount and intensity of "active industry", depending on how long they had been settled, how much of their population lived in cities and towns, and how well connected they were by rail or water transport.

One title in the CANIND71 series of research reports has already examined the mix of industrial activity in Wellington County, Ontario, as a model for what might be done for any other place of similar size and population in Ontario, Quebec, New Brunswick or Nova Scotia.²

The reports in the Ontario County Series have less detailed description and analysis than the study of Wellington County and more tabulations of data compiled out of the CANIND71 database. The reports follow a similar format. First, features of the CANIND71 database, especially its geographical organization and industrial classification, are explained so that readers can understand tables for particular counties. Each county is defined and factors in its history, location and resources that influenced the amount and character of industry by 1870-1 are noted. Then the structure and characteristics of industry in that county are summarized under the headings of location and distribution, industry types, size structure of industrial units, use of water and steam power, workplace types, and leading firms. The appendices present aggregate data grouped by geographical location, industry classifications and specific industry types. Summary data for individual establishments are then listed for the whole county, alphabetically by the proprietor's name, with additional lists for establishments in each city, town or village.

¹ T.C. Keefer, Philosophy of Railroads (1850), edited with an introduction by H.V. Nelles (Toronto: University of Toronto Press, 1972), p. 9.

² Elizabeth Bloomfield and G.T. Bloomfield, The Hum of Industry: Millers, Manufacturers and Artisans of Wellington County CANIND71 Research Report 9 (Guelph: University of Guelph, Department of Geography, 1989).

CANADIAN INDUSTRY IN 1871: ONTARIO COUNTY SERIES

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0-88955-271-1	Perth County Industries, 1871: Index to Manuscript Census (#24 in series)
0-88955-272-X	Peterborough County Industries, 1871: Index to Manuscript Census (#25 in series)
0-88955-273-8	Prescott & Russell County Industries, 1871: Index to Manuscript Census (#26 in series)
0-88955-274-6	Prince Edward County Industries, 1871: Index to Manuscript Census (#27 in series)
0-88955-275-4	Renfrew County Industries, 1871: Index to Manuscript Census (#28 in series)
0-88955-276-2	Simcoe County Industries, 1871: Index to Manuscript Census (#29 in series)
0-88955-277-0	Stormont, Dundas & Glengarry County Industries, 1871: Index to Manuscript Census (#30 in series)
0-88955-278-9	Victoria County Industries, 1871: Index to Manuscript Census (#31 in series)
0-88955-279-7	Waterloo County Industries, 1871: Index to Manuscript Census (#32 in series)
0-88955-280-0	Welland County Industries, 1871: Index to Manuscript Census (#33 in series)
0-88955-281-9	Wentworth County Industries, 1871: Index to Manuscript Census (#34 in series)
0-88955-282-7	York County Industries, 1871: Index to Manuscript Census (#35 in series)
0-88955-283-5	Northern Districts Industries, 1871: Index to Manuscript Census (#36 in series)

INTRODUCTION TO THE CANIND71 DATABASE

The CANIND71 database is a machine-readable version of the original manuscript information for more than 45,000 industrial establishments counted in the first Census of Canada in 1871. This new source provides a wealth of information for the four provinces enumerated in 1871 -- New Brunswick, Nova Scotia, Ontario and Quebec. The 1871 census was the first to be taken on a consistent basis for the four provinces. Although similar information was collected in the Canadian censuses of 1881, 1891, 1901 and 1911, the manuscript schedules for industry have not survived. The 1871 census manuscripts are thus the only systematic source for industrial activity that survives in such detail from the nineteenth century. Moreover, the 1871 schedules contain a great deal of information that was never published at the time.

In using the CANIND71 data, we should understand the definitions and procedures used by the 1871 census enumerators:³

- * Industrial businesses found by the census enumerators as they made their rounds in early April 1871 were included, and details were recorded of their operations during the preceding twelve months.
- * An industrial establishment was defined as "a place where one or several people are employed in manufacturing, altering, making up or changing from one shape into another, materials for sale, use or consumption, quite irrespectively of the amount of capital employed or of the products turned out" (p. 138). No minimum value of output was set, in contrast to the United States censuses in the same period, for which only establishments with at least \$500 worth were included.
- * All repairs, mending or custom work were understood to be industrial products. Thus the definition of industrial activity was considerably broader than it would be in the twentieth century.
- * Numbers of workers or "employés" were defined to be the average number of persons actually working in the industrial establishment during the 12-month reporting period, and could consist entirely of members of the proprietor's family. The industrial workforce was subdivided by age and gender into men, women, boys (males under 16 years) and girls (females under 16 years), but the amount of wages paid to each age-gender group of worker was not separately stated.
- * Industrial establishments were recorded in the geographical units -- District, Sub-District or Division -- in which they were found "and nowhere else. The principle is essential in every case. The production is attached to the locality" (p. 139).
- * In reporting custom work such as tailoring or work done on toll such as that of some grist mills or carding mills, enumerators were told to state the real value of raw materials, even if these amounts did not pass through the accounts of the proprietor.

³ "Manual Containing the Census Act and Instructions to Officers Employed in Taking of the First Census of Canada, 1871," Canada Sessional Papers No. 64 (1871). Quotations are from this source.

* Though enumerators could specify the types, quantities and values of individual raw materials and products for each establishment, it was foreseen that in most cases only the aggregate dollar values or raw materials and products would be stated.

* Values of fixed capital and floating capital invested in the industrial business were distinguished rather than merged, and the number of working months was specified.

Only a very limited amount of the information collected in Schedule 6 of the 1871 census was published in the official census volumes of the 1870s.⁴ The statistical tables published at the time used various industrial types that were defined pragmatically rather than systematically, and then listed in alphabetical order. For each industry type, whether as specialized as whip making or as ubiquitous as blacksmithing, figures were published for numbers of establishments, hands employed, yearly wages, value of raw materials and value of products in each of 206 Census Districts.

No industrial data at all were published for smaller areal units such as the Census Sub-Districts, either as summaries of total industrial activity or for specific types of industry. Thus the only 1871 industrial information published for urban centres was for the six cities, the boundaries of which exactly coincided with those of one or more Census Districts. These were Montreal, Toronto, Hamilton, Ottawa, London and Kingston. Some information collected by the enumerators was never compiled into published tables, notably for types and horse-power units of inanimate power, months of operation during the reporting period, and "floating" capital distinguished from "fixed" capital. The published totals also understated the real extent and value of industrial activity as these can now be reconstituted from the manuscript census schedules.⁵

Database Variables

The CANIND71 database has made machine-readable information about all the industrial firms counted in Canada's first national census. For each establishment, there are up to 125 variables. The firms were located in 206 Census Districts and over 1600 Census Sub-Districts in Ontario, Quebec, New Brunswick and Nova Scotia. All details recorded by the enumerators on the manuscript census schedules have been included as basic variables in the CANIND71 database. These are: name of proprietor, kind of industrial business, geographical location, use of non-manual forms of power, numbers of workers (distinguished into men, women, boys and girls), number of working months in the year, and the dollar amounts of fixed and floating capital invested, wages, raw materials and products, as well as kinds, quantities, units of measurement and values of individual raw materials and products, and additional remarks or comments.

In addition to the information transcribed from the census manuscripts, the CANIND71 database contains several variables derived by calculation or inference from the basic variables. These include the total values of raw materials or of products

⁴ Census of Canada 1871, volume III, Tables 28-55.

⁵ For a more detailed discussion of the 1871 Census procedures and a comparison of the published and manuscript data for industry in 1871, see Creating CANIND71: Procedures for Making the 1871 Census Machine-Readable (Research Report 4, 1989).

(when only details for component products or materials had been stated on the manuscript schedules), the value added (gross value of output less costs of raw materials when both these figures were reported), the total number of employees, and the average monthly wage per employee.

Geographical Organization

The original descriptions of geographical areas defined for the 1871 Census were researched to ensure that the codes and place names were entered accurately and consistently into the database. For ease in returning to the original schedules, we adopted the same code letters and numbers that were used in 1871 to describe the Census Districts, Census Sub-Districts and Census Enumerators' Divisions. The 206 Census Districts were intended to correspond with the Electoral Districts defined under the British North America Act 1867.⁶ Census Districts were divided into 1,701 Census Sub-Districts, which were intended to correspond with Municipal or other recognized divisions -- towns, villages, townships or city wards in Ontario, for example. The Census Sub-Districts were subdivided into nearly 3,000 Census Enumerators' Divisions, but these were defined for convenience of census-taking rather than to coincide with any other system of defining areas and no maps or written descriptions of these units have survived.⁷

Details of Census District name (with variable name CDISTRIC) and number (CDID), Census Sub-District name (CSD) and Census Enumerator's Division (CED) were coded for each manuscript record as it was entered into the CANIND71 database. Usually this information was written by the census enumerators on the manuscript schedules. But we had to standardize the names and codes for computer processing. We numbered the Census Districts in the same sequence from 001: Essex in southwest Ontario to 206: Richmond, Nova Scotia. Census district numbers in Ontario were prefaced with the letter O. We also adopted the same code letters and numbers that were used to describe the smaller Census Sub-Districts and Census Enumerators' Divisions in 1871. Municipal status was abbreviated as V-Village, T-Town (or Ville), C-City and Tp-Township. In the case of CSDs with the same principal name, they are distinguished by the directional abbreviations following the place name, such as N for North or Nord, S for South or Sud, E for East or Est, W for West.

Industrial Classification

The census enumerators used natural language to describe the kinds of establishment and industrial raw materials and products they encountered.⁸ In creating the CANIND71 database, we entered the enumerators' words into the computer record, but we also assigned standardized codes to each record to denote industry types and major groups more precisely and consistently. These codes are vital for analysis of the data.

⁶ Statutes of Canada, 33 Vict. 1870, Cap. 21, s. 4.

⁷ See G.T. Bloomfield, Boundaries of Canadian Census Units in 1871 (CANIND71 Research Report 10, 1990).

⁸ See Glossary of Industrial Language (CANIND71 Research Report 5, 1989) and French-English Dictionary of Industrial Language (CANIND71 Research Report 6, 1989).

Each record in the CANIND71 database has been assigned a code according to the 1970 Standard Industrial Classification Manual of the Canada Dominion Bureau of Statistics.⁹ Understandably, there were some problems in applying a 1970 classification to the conditions of a century earlier. Changes in technology have eliminated some industry types that were common in 1871. The more rudimentary level of economic and business organization in 1871 meant that many enterprises combined industrial activities that would typically be separated in specialized businesses by 1970. Repair of all kinds of goods and equipment was more integrally associated with manufacture in 1871.

The appropriate SIC code for each record was determined by study of both the stated kind of establishment and the actual products and raw materials reported in each case. Wherever possible, we chose the SIC code that best matched the actual outputs of the business as reported for the year ending March 31, 1871. The "kind of establishment" information alone could be quite misleading, as this term was sometimes an occupational label that did not really describe the actual products. For example, a business might be described very generally as a "foundry", which would rate a code of "294" only if its products were primarily iron castings. More typically, the products of so-called foundries in 1871 were fabricated metal products such as stoves (307-S) or general machinery (315) or agricultural implements (311). In another example, one who was by trade a blacksmith and so recorded in the "kind of establishment" column may have had opportunities to make all kinds of metal goods, often including carriages and wagons. If he made definite numbers of carriages or other items of transportation equipment, his business would be assigned the appropriate and more specific SIC code of "329" rather than "896" which would be assigned for a blacksmith engaged only in "country work and repairs".

We adapted the 1970 system to the 1871 context in two main ways. First, suffixes of hyphen and capital letter could be added to the basic 3-digit code to give greater specificity, a brewery (109-B) being distinguished from a distillery (109-D) for example. Second, an establishment that combined two or more products or services was given a compound SIC code, consisting of the two most important linked by a slash (/), so that a flour mill-cum-distillery is represented as "105/109-D".

These elaborations of the basic classification system resulted in a total list of over 700 specific codes that were used to describe the 45,070 firms in the four provinces in 1871. A few of these codes were shared by large numbers of establishments. Thus 5,254 blacksmiths were assigned the SIC code of "896", 5,088 saw mills had the basic code of "251", and 4,189 shoemakers were coded "174". Some 2,830 handloom weavers were given the code "182-W", 2,527 carriage and wagon makers were coded "329", and 2,098 flour mills share the code "105". Basic SIC codes assigned to at least 50 industrial establishments throughout Canada are listed in Table 1. At the other extreme, some significant enterprises had codes that were unique for Canada.

⁹ For a more detailed discussion of our use of SIC codes, see G.T. Bloomfield, Standard Industrial Classifications Applied to Historical Data (CANIND71 Research Report 7, 1989). The CANIND71 classification is based on Dominion Bureau of Statistics, Standard Industrial Classification Manual (Ottawa, 1970); for French-language equivalents we consulted Statistique Canada, Classification type des industries (Ottawa, 1990).

Table 1

STANDARD INDUSTRIAL CLASSIFICATION (1970) ADAPTED FOR 1871:
short list of codes with at least 50 occurrences in CANIND71 database

101-P	Pork Curing/Packing	Salaison de porc
102	Fish Curing	Salaison de poisson
104	Cheese Factories	Fromageries
105	Flour/Grist Mill	Farine, Moulin à
105-O	Oatmeal Mill	Avoine, Moulin d'
107	Bakeries	Boulangeries
108-C	Confectionery	Confiserie
109-B	Brewery	Brasserie
109-S	Aerated Water	Eaux gazeuses
153	Tobacco Working	Tabac, Manufacture d
172	Tanneries	Tanneries
174	Boots/Shoes	Bottes/Souliers
179-S	Saddle/Harness Making	Selles]
182	Woolen Cloth Factories	Drap, Fabriques de
182-W	Weaver	Tisserand
189-W	Carding/Fulling Mills	Carder/fouler, Moulins à
239-K	Stockings/Mittens/Hand Knitter	Bas/Mitaines/Tricoteur
242	Clothing	Habillements
243	Tailors/Clothiers	Habillements pour hommes
246	Furrier/Hatter	Pelleterie/Chapellerie
249-M	Milliner	Modiste
251	Saw Mill	Moulin à scie
251-S	Shingle Making	Bardeaux, Confection de
254	Sashes/Doors/Blinds	Portes/Fenêtres
256	Basket Making	Vanneries
259	Wood Products, Misc	Produits de bois, divers
259-C	Cooperage	Tonnellerie
259-W	Wood Turning Establishments	Tours à bois
261	Cabinets/Furniture	Meublerie
286	Printing office	Imprimerie
287-B	Book Binding	Reliure
289	Printing/Publishing incl newspapers	Imprimerie/Publication de
294	Foundry/Castings	Fonderie/Fonte
304-T	Tinsmith	Ferblantier
306	Agricultural Hand Tools	Outils agricoles manuels
306-T	Axes	Haches
307-S	Stoves	Poêles
309	Metal Fabricating, Misc	Fabrication de métaux
311	Agricultural Implements	Instruments aratoires
315	Machinery, Misc	Machinerie/Équipement
315-H	Spinning Wheels	Rouets
315-P	Pumps	Pompes
327	Ship Yards	Navires, Construction de
327-M	Ship Material	Appareux de navire
328	Boat Building	Chaloupes, Construction
329	Carriage Making	Carrosserie
329-P	Wheels (* and other parts)	Roues
351-B	Brick/Tile Making	Briqueterie/Tuilerie
351-P	Pottery	Poterie
353	Stone/Marble Establishments	Marbrerie
358-L	Lime Kilns	Fours à chaux
365	Oil Refineries	Épuration de l'huile
374	Drugs	Drogues
376	Soap/Candle Making	Savonneries/Chandelleries
378-P	Pot/Pearl Asheries	Potasseries
392	Jeweler/Watchmaker	Bijoutier/Horloger
421-C	Carpenter/Joiner (buildings)	Charpentier (bâtiments)
421-D	Painter/Glazier	Peintre en bâtiments
893	Photographic galleries	Photographies
896	Blacksmithing	Forges

The SIC codes were generalized into the 26 Major Industry Groups (or SECs) that were also coded for each record (Table 2). This table also reflects the inclusion by the 1871 census enumerators of a wider range of industrial activities and processes than would be defined as manufacturing industry today. Eighty-six per cent of the establishments are classified in the Major Group 5 for Manufacturing Industry, with SIC codes between 101 and 399, accounting for 95 per cent of the total value of industrial output in 1871.

Table 2
**STANDARD INDUSTRIAL CLASSIFICATION:
MAJOR GROUPS AND SIC CODES**

Major Group SEC	SIC codes
Division 1 Agricultural Services	021-029
Division 2 Forestry	031-039
Division 3 Fishing	041-049
Division 4 Mines, Salt Wells etc	051-099
Division 5 Manufacturing Industries	
5.01 Food and Beverages	101-109
5.02 Tobacco Products	151-159
5.04 Leather Industries	171-179
5.05 Textile Industries	181-189
5.06 Knitting Mills	231-239
5.07 Clothing Industries	241-249
5.08 Wood Industries	251-259
5.09 Furniture Industries	261-269
5.10 Paper Industries	271-279
5.11 Printing and Publishing	281-289
5.12 Primary Metal Industries	291-299
5.13 Metal Fabricating	301-309
5.14 Machinery Industries	311-319
5.15 Transportation Equipment	321-329
5.17 Non-metallic Minerals	351-359
5.18 Petroleum & Coal Products	361-369
5.19 Chemical Industries	371-379
5.20 Miscellaneous Manufactg	391-399
Division 6 Construction Industry	401-499
Division 7 Gas and Water Utilities	572-579
Division 8 Trade (incl repair)	601-699
Division 10 Personal/business services	861-899

Using the SIC and geographical codes, data for individual establishments can be aggregated in all sorts of ways. In the sample records and tables presented in this report, we use the same variable names as in the CANIND71 database. They are explained in Table 3.

Table 3
VARIABLE NAMES IN CANIND71 DATABASE

Abbreviated code names for variables in the CANIND71 database are used in various tables in this report. A brief explanation of each code name follows:

AVWAGE:	Average monthly wage per worker in a firm, place or type of industry.
CDID:	Census district number used in 1871 census.
CDISTRIC:	Census district name used in 1871 census.
CED:	Census enumerator's division, a small part of a census district.
COMMENTS:	Additional remarks or comments for a firm entered in manuscript schedule.
EMPBOY:	Boys (males under 16 years) employed in industrial activity.
EMPGIRL:	Girls employed (females under 16 years) in industrial activity.
EMPMEN:	Men (males over 16 years) employed in industrial activity.
EMPWOM:	Women (females over 16 years) employed in industrial activity.
FIXCAP:	Value of fixed capital reported by proprietors.
FLOCAP:	Value of floating or working capital reported by proprietors.
FORCE:	Units (in "horse power" equivalents) of non-manual power reported by proprietors.
MONTH:	Number of working months in year.
OBSERV:	Observation, unit or record in a database; in the case of CANIND71 means individual industrial establishment.
PROD1:	Named type of product, first to Nth, as numbered.
PROPRIOR:	Name of proprietor as stated in census schedules.
PQUANT1:	Quantity of named product, first to Nth, as numbered.
PUNT1:	Unit of measurement of named product, first to Nth, as numbered.
PVALUE1:	Value of named product, first to Nth, as numbered.
RAWMAT1:	Named type of raw material, first to Nth, as numbered.
RQUANT1:	Quantity of named raw material, first to Nth, as numbered.
RUNIT1:	Unit of measurement of named raw material, first to Nth, as numbered.
RVALUE1:	Value of named raw material, first to Nth, as numbered.
SEC:	Major industry group, derived from combinations of SIC codes.
SIC:	Standard Industrial Classification.
SUMPROC:	Value of industrial production (\$).
SUMRAWC:	Value of raw materials used in industry (\$).
TOTEMP:	Total number of employees, the sum of EMPMEN, EMPWOM, EMPBOY and EMPGIRL.
TYPEEST:	Type of establishment as stated by enumerator in census schedules.
TYPEPOW:	Type of power reported: steam, water, horse, W/S (water/steam).
VADD:	Value added in manufacturing (\$) = production \$ - raw materials \$.
WAGES:	Wages paid to industrial workers (\$).

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The interest and support of all who have assisted with this project are gratefully acknowledged. Janine Grant, Barbara Sibley, Jane Turner, Jane Darch and Stephen Bellinger worked for the project for significant periods, and the quality of the final database owes much to their careful and thorough work. Peter McCaskell, first as programmer-analyst in the Department of Geography and then from the University's Computing Services, played an essential role in database management and programming through all phases of the project. Mario Finoro, chief technician of the Department of Geography, has assisted in the acquisition, setting up and maintenance of the equipment. The computer maps in this series are the work of Larry Laliberté, while the graphs of industrial structure were produced in final form by Marie Puddister.

Elizabeth and Gerald Bloomfield

MIDDLESEX COUNTY INDUSTRIES, 1871

A large inland region in southwestern Ontario settled since the 1820s, Middlesex County was maturely developed by 1871. Its rural population density averaged 51 persons per square mile, not far behind the highest rural densities in York, Middlesex, Lincoln, Waterloo, Oxford and Brant Counties. Middlesex County was well served by railways, with the Great Western and several branch lines through the south and centre and the Grand Trunk Railway crossing the northern tier of townships. The county's mean value of industrial production per capita (\$92.95) was well above the mean for Ontario (\$74.00). The average number of employees per establishment was 4.8 in Middlesex compared with 4.4 in Ontario as a whole, and the mean value of output per establishment was also significantly higher -- \$7,786 compared with \$5,516.¹⁰

Census and Municipal Units

Census Districts were defined to match federal electoral districts rather than counties in 1871. However, the component Sub-Districts matched the smaller municipal units of townships, towns, villages or city wards. Middlesex County was divided among the four Census Districts of Middlesex West (five townships and the villages of Strathroy and Wardsville), Middlesex North (six townships), Middlesex East (four townships) and the City of London (with its seven wards). The Census Sub-Districts of Middlesex County are shown in Figure 1 and their basic statistics of area (sq mls), population (pop), industrial establishments (est) and industrial employees (empl) are set out in Table 4.

¹⁰ A full bibliography of the historical development of industry in London and Middlesex County cannot be given here, but items relevant to the period are:

Andreae, Christopher, The industrial heritage of London and area (London: Ontario Society for Industrial Archaeology and London Historical Museums, 1984).

Armstrong, Frederick H. The forest city: an illustrated history of London, Ontario (Burlington: Windsor Publications, 1986).

Bremner, Archibald, City of London: the pioneer period and the London of today (2d ed., 1900; reprinted 1967).

Brock, Daniel, ed. History of the County of Middlesex, Canada, from the earliest time to the present (1889; Canadiana reprint, 1972)

Burley, Kevin, "Occupational structure and ethnicity in London, Ontario, 1871," Histoire sociale 11 (1978): 390-410.

Cuddy, Sutherland, "Strathroy, 1832-1925," London and Middlesex Historical Society, Transactions 12 (1927): 35-48.

The information contained in this report about proprietors of industrial establishments in 1871 may be related to the valuable index of all household heads provided in Index to the 1871 Census of Ontario: London-Middlesex (Toronto: Ontario Genealogical Society, 1990).

While most industrial enterprises were located in incorporated urban centres, especially in London, industry was also dispersed in smaller central places scattered through the rural areas. The census manuscript schedules do not specify location in such smaller, unincorporated places, but it can be useful when comparing the census data with information from other sources to know which hamlets and villages were included in particular Census Sub-Districts (Table 5).¹¹ The largest of the county's unincorporated villages were Ailsa Craig (750), Glencoe (700), Lucan (1,000), Newbury (1,000), Parkhill (1,500) and Westminster (600).

Table 4
MIDDLESEX COUNTY: CENSUS DISTRICTS AND SUB-DISTRICTS, 1871

CDID	CED	CENSUS SUB-DISTRICT	SQM	POP	EST	EMPL
** CENSUS DISTRICT 0007: MIDDLESEX WEST						
0007	A	MOSA TOWNSHIP	77.70	3194	25	67
0007	B	WARDSVILLE VILLAGE	0.71	539	32	77
0007	C	EKFRID TOWNSHIP	84.80	3193	36	96
0007	D	METCALFE TOWNSHIP	57.38	2449	23	71
0007	E	CARADOC TOWNSHIP	121.73	5065	37	112
0007	F	STRATHROY VILLAGE	3.75	3232	62	440
0007	G	DELAWARE TOWNSHIP	43.98	2523	30	59
** CENSUS DISTRICT 0008: MIDDLESEX NORTH						
0008	A	ADELAIDE TOWNSHIP	68.84	2909	21	75
0008	B	WILLIAMS WEST TOWNSHIP	57.62	3427	47	131
0008	C	WILLIAMS EAST TOWNSHIP	62.74	2853	31	51
0008	D	LOBO TOWNSHIP	77.74	3474	53	101
0008	E	MCGILLIVRAY TOWNSHIP	100.02	4658	53	137
0008	F	BIDDULPH TOWNSHIP	63.66	4198	65	135
** CENSUS DISTRICT 0009: MIDDLESEX						
0009	A	WESTMINSTER TOWNSHIP	100.41	6386	69	271
0009	B	DORCHESTER NORTH TOWNSHIP	62.16	4117	47	94
0009	C	LONDON TOWNSHIP	164.31	10991	120	512
0009	D	NISSOURI WEST TOWNSHIP	77.34	3561	18	31
** CENSUS DISTRICT 0010: CITY OF LONDON						
0010	A	WARD NO 1, LONDON	0.18	2395	31	445
0010	B	WARD NO 2, LONDON	0.21	2736	69	467
0010	C	WARD NO 3, LONDON	0.27	3586	70	703
0010	D	WARD NO 4, LONDON	0.22	1210	27	424
0010	E	WARD NO 5, LONDON	0.51	2590	15	224
0010	F	WARD NO 6, LONDON	0.48	2175	2	22
0010	G	WARD NO 7, LONDON	1.09	1134	3	11

¹¹ For a more detailed discussion of the location of smaller villages and hamlets in relation to the 1871 Census units, see G.T. Bloomfield, Ontario Central Places in 1871: A Gazetteer Compiled from Contemporary Sources (CANIND71 Research Report 13, 1990).

Table 5: MIDDLESEX COUNTY: CENTRAL PLACES, 1871

<u>Place</u>	<u>Population</u>	<u>Township</u>	<u>CSD</u>	<u>Sources</u>	<u>Lat.</u>	<u>Long.</u>
ADARE	150	McGillivray	8E	D L P	43 15	81 28
<i>on boundary with Biddulph Tp</i>						
ADELAIDE	150	Adelaide	8A	D L M	43 00	81 42
AILS A CRAIG	750	Williams E	8C	D L M	43 08	81 33
<i>on boundary with McGillivray Tp</i>						
AMIENS	130	Lobo	8D	D L P	43 00	81 33
APPIN	150	Ekfrid	7C	D L P	42 48	81 39
ARVA	.	London Tp	9C	D M	43 03	81 17
<i>also known as St John's</i>						
AVON	75	Dorchester N	9B	D L P	42 54	80 56
BALLYMOTE	100	London Tp	9C	D L P	43 04	81 14
BELMONT	250	Dorchester N	9B	D L P	42 53	81 05
<i>on boundary with Westminster Tp, Middlesex Co and South Dorchester Tp, Elgin Co</i>						
BIRR	75	London Tp	9C	D L P	43 07	81 20
BOWOOD	170	Lobo	8D	L	43 05	81 32
BRINSLEY	100	McGillivray	8E	D L P	43 12	81 32
<i>formerly Bennett's Corners (C2), Bisby's Corners (C), Maclin's Corners (C2)</i>						
BRYANSTON	100	London Tp	9C	D L P	43 07	81 16
<i>also known as Goodwood</i>						
BYRON	125	Westminster	9A	D L P	42 57	81 20
<i>formerly Hall's Corners (C2), Hall's Mills</i>						
CALDER	120	Delaware	7G	L P	42 50	81 21
CARLISLE 1	200	Williams E	8C	L	43 07	81 29
<i>post office called Falkirk</i>						
CASHMERE	100	Mosa	7A	D L P	42 37	81 50
<i>formerly Canton (C)</i>						
COLDSTREAM	100	Lobo	8D	D L P	43 01	81 30
CRUMLIN	.	London Tp	9C	P	43 01	81 09
<i>post office for Dreaney's Corners; on boundary with North Dorchester and West Nissouri Tp</i>						
DELAWARE	400	Delaware	7G	D L M	42 55	81 25
DENFIELD	100	London Tp	9C	L P	43 07	81 26
<i>formerly Brecon</i>						
DERWENT	150	Westminster	9A	L P	42 56	81 06
DEVIZES	100	London Tp	9C	L P	43 09	81 14
<i>on boundary with West Nissouri Tp</i>						
DORCHESTER STATION	200	Dorchester N	9B	L P	42 59	81 04
<i>formerly Edwards (L), Edwardsburgh (C); later Dorchester</i>						
DREANEY'S CORNERS	30	London Tp	9C	L	43 01	81 09
<i>post office at Crumlin; on boundary with North Dorchester and West Nissouri Tp</i>						
DUNCRIEF	75	Lobo	8D	D L P	43 04	81 28
ELGINFIELD	100	Biddulph	8F	D L P	43 10	81 22
<i>formerly Ryan's Corners (C); on boundary with London Tp</i>						
EVELYN	150	Nissouri W	9D	L P	43 03	81 05
FALKIRK	.	Williams E	8C	D P	43 07	81 29
<i>post office of Carlisle</i>						
FERNHILL	50	Lobo	8D	D L P	43 03	81 34
<i>formerly Sheepskin Corners (C); on boundary with East Williams Tp</i>						
FRAMPTON	100	Dorchester N	9B	L P	42 59	81 03
GLADSTONE	200	Dorchester N	9B	D L P	42 55	81 03
GLANWORTH	100	Westminster	9A	L P	42 52	81 12

GLENCOE	700	Mosa	7A	D L M	42 45	81 43
<i>formerly Mosa Station (C); on boundary with Ekfrid Tp</i>						
GRANTON	350	Biddulph	8F	D L P	43 13	81 18
HARRIETSVILLE	120	Dorchester N	9B	D L P	42 55	81 00
HYDE PARK CORNER	50	London Tp	9C	L P	43 00	81 20
ILDERTON	200	London Tp	9C	D L P	43 04	81 24
IRELAND	300	Biddulph	8F	D L	43 12	81 27
<i>post office called McGillivray; formerly Flanigan's Corners; later Clandeboye; on boundary with McGillivray Tp</i>						
KATESVILLE	150	Metcalfe	7D	L	42 56	81 40
KERWOOD	150	Adelaide	8A	D L P	42 56	81 45
KEYSER	200	Adelaide	8A	L P	43 03	81 44
KILMARTIN	150	Metcalfe	7D	L P	42 47	81 46
<i>on boundary with Mosa Tp</i>						
KILWORTH	50	Delaware	7G	D L	42 58	81 23
KOMOKA	500	Lobo	8D	D L M	42 57	81 26
<i>formerly Lobo Station</i>						
LAMBETH	250	Westminster	9A	D L P	42 54	81 18
<i>formerly Junction, Hall's Mills (C)</i>						
LEWRAY	40	McGillivray	8E	L	43 12	81 36
<i>also spelled Lieury; Lieury post office established 1871; formerly Smith's Corners</i>						
LOBO	100	Lobo	8D	D L P	43 00	81 26
LONDON	15826	London C	10	D L B	42 59	81 14
LONGWOOD	.	Caradoc	7E	D M	42 49	81 33
<i>post office of Melbourne; post office formerly Ekfrid, later Wendigo; on boundary with Ekfrid Tp</i>						
LONGWOOD STATION	150	Caradoc	7E	L P	42 51	81 34
<i>later Longwood</i>						
LUCAN	1000	Biddulph	8F	D L B	43 11	81 24
<i>formerly Marystown (C)</i>						
MCGILLIVRAY	.	Biddulph	8F	M	43 12	81 27
<i>post office of Ireland; on boundary with McGillivray Tp</i>						
MELBOURNE	150	Caradoc	7E	L	42 49	81 33
<i>post office at Longwood; on boundary with Ekfrid Tp</i>						
MELROSE 1	150	Lobo	8D	L	43 00	81 24
MOORESVILLE	80	Biddulph	8F	L	43 14	81 27
MORAY	150	McGillivray	8E	D L P	43 12	81 40
MOSSLEY	80	Dorchester N	9B	D L P	42 57	81 01
MOUNT BRYDGES	350	Caradoc	7E	D L B	42 54	81 29
<i>formerly Carradoc (C), Hartford (M)</i>						
MUNCEY	100	Caradoc	7E	L P	42 49	81 28
<i>formerly Delaware Station (C)</i>						
NAIRN	200	Williams E	8C	D L M	43 07	81 34
NAPIER	250	Metcalfe	7D	D L M	42 52	81 46
NAPPERTON	.	Adelaide	8A	P	42 57	81 43

NEWBURY	1000	Mosa	7A	D L B	42 41	81 48
<i>formerly Newtown (C); incorporated as village 1872</i>						
NILESTOWN	250	Dorchester N	9B	D L P	42 58	81 06
<i>on boundary with Westminster Tp</i>						
PARK HILL	1500	Williams W	8B	D L M	43 09	81 41
<i>post office formerly Swainby, Westwood; incorporated as village 1871</i>						
PETERSVILLE	400	London Tp	9C	L	42 59	81 16
POND MILLS	70	Westminster	9A	L	42 57	81 12
PUTNAM	.	Dorchester N	9B	P	43 00	80 57
<i>post office of Putnamville</i>						
PUTNAMVILLE	150	Dorchester N	9B	D L	43 00	80 57
<i>formerly Dorchester; later Putnam</i>						
SABLE	100	Williams W	8B	L P	43 05	81 44
SIDDELLSVILLE	50	Lobo	8D	L	43 08	81 28
SPRINGBANK	150	Williams E	8C	L P	43 04	81 39
ST IVES	150	Nissouri W	9D	L P	43 09	81 10
ST JOHN'S	100	London Tp	9C	L	43 03	81 17
STRATHBURN	50	Ekfrid	7C	D L P	42 43	81 41
<i>on boundary with Mosa Tp</i>						
STRATHROY	3232	Strathroy V	7F	D L B	42 57	81 38
SYLVAN	80	Williams W	8B	D L M	43 09	81 46
TELFER	150	London Tp	9C	L P	43 03	81 24
TEMPO	150	Westminster	9A	L P	42 51	81 16
THORNDALE	75	Nissouri W	9D	D L P	43 06	81 08
UNION HILL	.	Nissouri W	9D	P	43 07	81 12
<i>later Salmonville; on boundary with London Tp</i>						
VANNECK	175	London Tp	9C	L P	43 04	81 26
WARDSVILLE	539	Wardsville V	7B	D L B	42 39	81 45
WATERTOWN	50	Mosa	7A	L	42 91	81 43
<i>also known as Waterworth's Corners (L); later Woodgreen</i>						
WEST MCGILLIVRAY	45	McGillivray	8E	D L P	43 12	81 34
WESTMINSTER	600	Westminster	9A	L	42 54	81 12
WESTMINSTER STATION	200	Westminster	9A	D L	42 56	81 12
WHALEN	180	Biddulph	8F	L P	43 16	81 22
<i>on boundary with Blanchard Tp, Perth Co and Usborne Tp, Huron Co</i>						
WYTON	30	Nissouri W	9D	L	43 04	81 09

Note: Lat = Latitude; Long. = Longitude.

Three primary sources were used to generate this list of places for 1871:

R.G. Dun and Co.'s Mercantile Agency Reference Book (D);

Lovell's Canadian Dominion Directory for 1871 (L);

Canadian Almanac and Repository of Useful Knowledge 1871 (P for ordinary post office, M for post office that could issue money orders, B for post office with savings bank function.

Nearly one in four of the county's 82,595 people lived in the city and county seat of London (population 15,826), town of Strathroy (3,232) or village of Wardsville (539). These three urban centres accounted for 54 per cent of the county's total industrial production. Compared with other large towns and cities of Ontario as to its industrial status in 1871, London combined slightly below-average industrial activity (measured by the proportion of its people employed in factories, mills and workshops) with a diversified industrial structure lacking any dominant industrial sector or enterprise. In the first characteristic, London most nearly resembled other Ontario county towns such as Stratford, Chatham, Woodstock and Belleville. Its diversified industrial base was also similar to those of larger, more industrial, centres such as St Catharines, Toronto and Hamilton. Strathroy had very similar qualities. Middlesex County lacked urban places like Dundas, Ottawa, Brantford, Guelph, Brockville, Galt, Oshawa, Ingersoll or Paris which were specialized in particular sectors as well as highly industrialized.¹²

London Township, especially in the area that would be incorporated as the village of London East in 1875, had by far the largest concentration of industry in any township, with 512 employees and \$2,193,069 worth of output. The industrial zone in London East had a special function. Although the London Board of Trade had obtained favourable rates on the Great Western Railway for processing the crude oil from Kent and Lambton counties, the London City Council objected to the noxious and odorous refining process so the refineries were located just beyond the eastern city limits in London Township.¹³ Dominated by the large refinery of Englehart and Co., this industrial complex also included cooperages making barrels for the shipment of lamp oil, a boiler-making shop and a small chemical works.¹⁴

Industry Types

Using the Standard Industrial Classification (SIC) code of each record and the more generalized Major Industry Group (SEC), it is possible to describe and compare the industrial structures of places from whole provinces to local townships and villages. In coding all the industrial establishments of Middlesex County, 86 different basic SIC codes (including suffixes, but trimming compounds) are used, evidence of a diversified range of industry types. In all of Ontario, a total of 172 such codes are used, and 196 in all of Canada.

¹² For analysis of the urban concentration of industry and of differences between specific urban centres, see Elizabeth Bloomfield and G.T. Bloomfield, The Ontario Urban System at the Onset of the Industrial Era (CANIND71 Research Report 3, 1989).

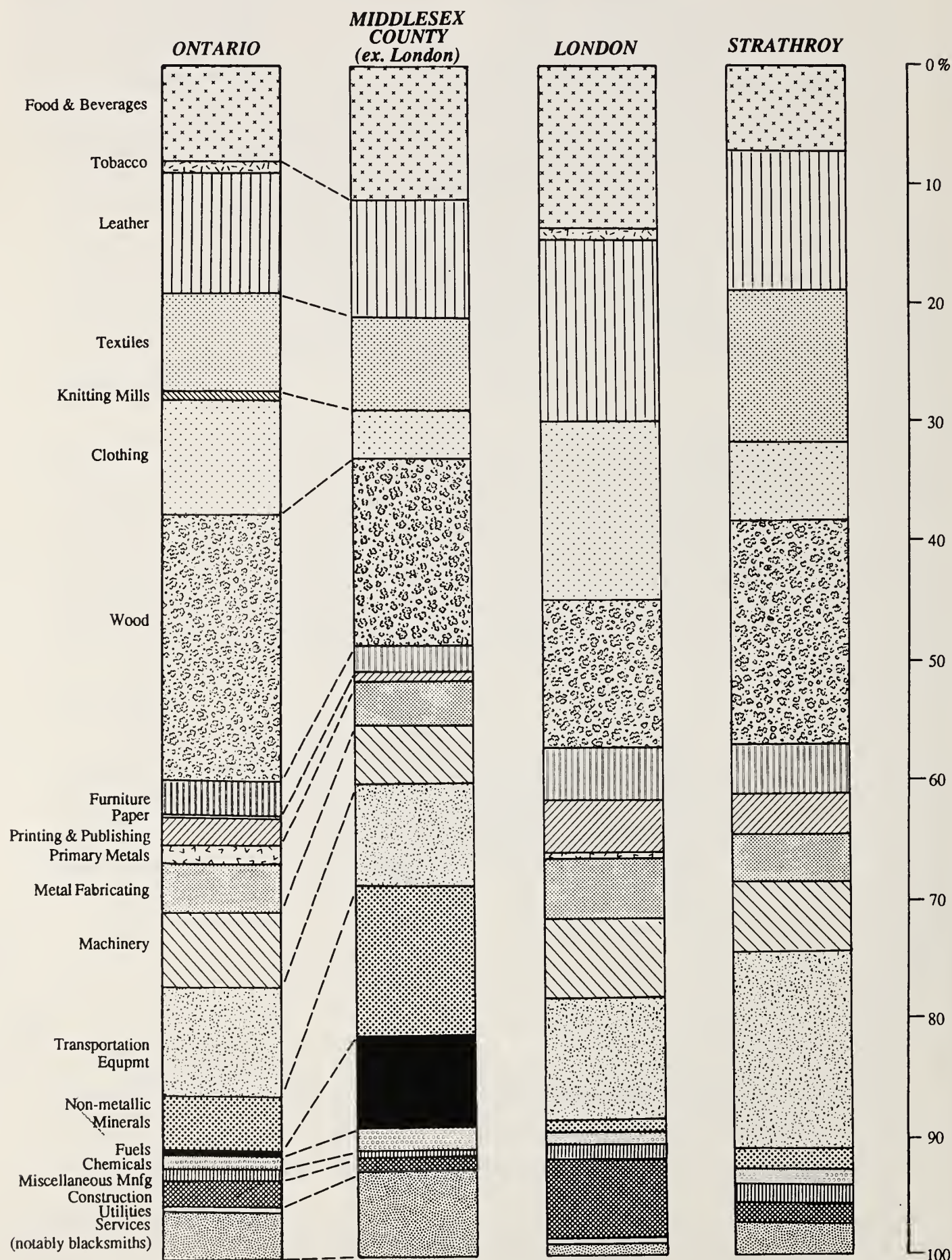
¹³ F.H. Armstrong, The Forest City: An Illustrated History of London, Canada (1986), 121.

¹⁴ D. Newell, Technology on the Frontier: Mining in Old Ontario (Vancouver: UBC Press, 1986), 131-134; J.T.H. Connor, "A note on sulphuric acid production in Victorian Ontario," Ontario History 55, 3 (1983), 290-298; H.M. Grant, "The 'mysterious' Jacob I. Englehart and the early petroleum industry," Ontario History 85, 1 (1991): 65-76.

MIDDLESEX COUNTY WITH LONDON



COMPARATIVE INDUSTRIAL STRUCTURES: Percentages Employed in Major Industry Groups (SECs)



When Middlesex County's industrial structure is compared with that of the whole province, we find a well-balanced mix of industry types in which several sectors were significantly stronger in the county than generally in the province. Figure 2 has been designed to show these differences as clearly as possible, using major industry groups. Non-metallic minerals, fuels, chemicals and blacksmiths were sectors which in Middlesex County employed at least 1.5 times their share in all Ontario. Wood products, on the other hand, were under-represented compared with their general strength in the province. The diagram also illustrates the industrial structures of London (separated from the Middlesex County structure) and Strathroy. London had a diversified structure typical of larger cities of the day. Foods, leather products, clothing, furniture, printing and publishing and, especially, construction were sectors which in London employed at least 1.5. their mean shares in Ontario generally. Textiles and transportation equipment were strong in Strathroy.

Size of Establishment

Most of Middlesex County's industrial establishments were small craftshops - blacksmiths, tinsmiths, bakers, saddlers, shoemakers, tailors, milliners, weavers and knitters, coopers, carpenters, carriage and wagon makers. More than three of every four industrial establishments employed five or fewer workers, but the proportion of such small workplaces was smaller than in Ontario generally. Table 6 presents a summary of the main statistics for various size-classes of industrial establishments. Only 22 firms employed more than 25 workers (ten of them more than 50), but these large enterprises contributed one third of the total value of output for Middlesex County. More than one in five establishments reported very small output values; but these small producers accounted for only 7 per cent of the county's total industrial output. At the other extreme, the 34 enterprises reporting at least \$50,000 together produced over half the county total. For example, small numbers of workers in five oil refineries in London Township produced at least \$100,000 worth of output in each establishment.

Three regional businesses ranked among the Canada's industrial leaders (the top one per cent) in 1871, calculated as those in the top one per cent of Canadian firms in all four measures of number of employees, value of fixed capital investment, gross value of production and value added in manufacturing.¹⁵ At the Strathroy woollen mill of J.A. Scoon, 57 employees (including 20 women and 4 girls) produced \$90,000 worth of output. George Moorhead's furniture factory in London employed 68 in the manufacture of \$150,000 worth of goods for wholesale and retail customers. The J. McClary foundry of London reported 73 workers producing stoves, implements and tinware valued at \$100,000. All three were powered by steam.

Full manuscript details for 46 Middlesex County enterprises are reproduced here as sample records, arranged in Standard Industrial Classification order. To qualify for inclusion, urban establishments are larger than rural ones in numbers of employees or value of output. The 16 London establishments in this selection each reported either more than 50 employees or \$50,000 worth of output while the 30 businesses from

¹⁵ See Elizabeth Bloomfield and G.T. Bloomfield, Patterns of Canadian Industry in 1871: An Overview Based on the First Census of Canada (CANIND71 Research Report 12, 1990); Industrial Leaders: The Largest Manufacturing Firms in Ontario, 1871 (CANIND71 Research Report 7, 1989).

outside the City of London (including 16 in London Township) each had either more than 25 employees or at least \$25,000 worth of output. A wide range of industry types is represented, from the processing of farm products (five pork packers, eight grain mills, and one woollen mill) and of lumber (in five sawmills, planing mills or cooperages) to more distinctive activities such as two breweries, a large bakery, a starch works, three footwear manufactories, two furniture factories, four foundries or machinery works, and fourteen oil refineries or chemical works.

Table 6
6a. ONTARIO INDUSTRIAL ESTABLISHMENTS, 1871
BY FIRM SIZE OR NUMBERS OF EMPLOYEES PER FIRM

	Establishments % total	Employment % total	Production % total	Value Added % total
Firm size				
# employees				
<u>small</u>				
1	39.8	9.0	6.1	6.2
2 - 5	45.3	28.5	29.9	25.7
<u>medium</u>				
6 - 50	14.1	40.1	44.2	44.6
<u>large</u>				
51+	0.8	22.4	19.8	23.5
TOTALS	100.0	100.0	100.0	100.0

6b: MIDDLESEX COUNTY INDUSTRIAL ESTABLISHMENTS, 1871
BY FIRM SIZE OR NUMBERS OF EMPLOYEES PER FIRM

	Establishments % total	Employment % total	Production % total	Value Added % total
Firm size				
# employees				
<u>small</u>				
1	33.6	6.8	3.8	3.8
2 - 5	44.0	24.5	20.2	17.2
<u>medium</u>				
6 - 25	19.6	42.6	42.9	47.4
26 - 50	2.2	16.4	25.9	23.0
<u>large</u>				
51+	0.6	9.6	7.2	8.5
TOTALS	100.0	100.0	100.0	100.0

CANIND71 SAMPLE RECORDS

19

proprior: JONES	WILLIAM	typeest: PORK PACKING HOUSE	refnum: 2537
cdid: 0010	ced: A	cdistric: LONDON	csd: WARD NO 1
sec: 5.01	sic: 101-P	month: 6	prop:
fixcap: .	flocap: 30000	typepow:	force: .
empmen: 20	empwom: .	empboy: 2	empgirl: .
totemp: 22	wages: 1500	avwage: 11.36 per worker/month	
sumrawc: 50000		sumproc: 80000	vadd: 30000
rawmat1: HOGS,DRESSED	runit1:	rquant1: 4000	rvalue1: 50000
prod1: BACON/HAM/LARD/PORK	punit1: LB	pquant1: 720000	pvalue1: 80000
comments: WEST END PORK PACKING HOUSE			

proprior: ROWLAND	FREDERICK	typeest: PORK PACKING EST	refnum: 2718
cdid: 0010	ced: E	cdistric: LONDON	csd: WARD NO 5
sec: 5.01	sic: 101-P	month: 6	prop:
fixcap: 5750	flocap: 30000	typepow: STEAM	force: 7
empmen: 30	empwom: .	empboy: .	empgirl: .
totemp: 30	wages: 3100	avwage: 17.22 per worker/month	
sumrawc: 90080		sumproc: 108080	vadd: 18000
rawmat1: HOGS	runit1:	rquant1: 1397200	rvalue1: 90080
prod1: HAM	punit1:	pquant1: 13800	pvalue1: .
prod2: PORK	punit2: BBL	pquant2: 1000	pvalue2: .
prod3: BACON	punit3: SIDE	pquant3: 11500	pvalue3: .
prod4: LARD	punit4:	pquant4: 138500	pvalue4: .

proprior: FERGUSON J & CO		typeest: PORK FACTORY	refnum: 2538
cdid: 0010	ced: A	cdistric: LONDON	csd: WARD NO 1
sec: 5.01	sic: 101-P	month: 10	prop:
fixcap: 30000	flocap: 50000	typepow:	force: .
empmen: 24	empwom: 6	empboy: .	empgirl: .
totemp: 30	wages: 6000	avwage: 20.00 per worker/month	
sumrawc: 76302		sumproc: 95980	vadd: 19678
rawmat1: HOGS,DRESSED	runit1:	rquant1: 4814	rvalue1: 68375
rawmat2: HOGS,LIVE	runit2:	rquant2: 24	rvalue2: 345
rawmat3: SHEEP,DRESSED	runit3:	rquant3: 1125	rvalue3: 3495
rawmat4: SHKEP,LIVE	runit4:	rquant4: 1116	rvalue4: 4087
prod1: BACON/HAM/LARD	punit1: LB	pquant1: 1020628	pvalue1: 86650
prod2: MUTTON	punit2: LB	pquant2: 119001	pvalue2: 9330

proprior: CARSON & CO		typeest: PORK PACKING HOUSE	refnum: 2540
cdid: 0010	ced: A	cdistric: LONDON	csd: WARD NO 1
sec: 5.01	sic: 101-P	month: 5	prop:
fixcap: 40000	flocap: 50000	typepow: STEAM	force: 12
empmen: 30	empwom: 1	empboy: 3	empgirl: .
totemp: 34	wages: 5000	avwage: 29.41 per worker/month	
sumrawc: 98000		sumproc: 119000	vadd: 21000
rawmat1: HOGS,DRESSED	runit1:	rquant1: 6000	rvalue1: 84000
rawmat2: HOGS,LIVE	runit2:	rquant2: 1000	rvalue2: 14000
prod1: BACON/HAM/LARD	punit1: LB	pquant1: 1000000	pvalue1: 119000
comments: ENGLISH PORK PACKING HOUSE			

proprior: MORREL & CO		typeest: PORK PACKING EST	refnum: 2717
cdid: 0010	ced: E	cdistric: LONDON	csd: WARD NO 5
sec: 5.01	sic: 101-P	month: 5	prop:
fixcap: 6000	flocap: 40000	typepow: STEAM	force: 10
empmen: 20	empwom: .	empboy: .	empgirl: .
totemp: 20	wages: 3000	avwage: 30.00 per worker/month	
sumrawc: 94000		sumproc: 120000	vadd: 26000
rawmat1: FRESH PORK	runit1:	rquant1: 1500000	rvalue1: 94000
prod1: HAMS/BACON/LARD/HEADS/FEET		pquant1: 1500000	pvalue1: 120000

CANIND71 SAMPLE RECORDS

20

proprior: PHILLIPS GEORGE	typeest: GRIST MILL	refnum: 2566
cdid: 0010 ced: B	cdistric: LONDON	csd: WARD NO 2
sec: 5.01 sic: 105	month: 12	prop:
fixcap: 16000 floccap: .	typepow: WATER	force: .
empmen: 8 empwom: .	empboy: .	empgirl: .
totemp: 8 wages: 3000	avwage: 31.25 per worker/month	
sumrawc: 75000	sumproc: 91850	vadd: 16850
rawmat1: GRAIN runit1: BU	rquant1: 75000	rvalue1: 75000
prod1: FLOUR punit1: BBL	pquant1: 16700	pvalue1: 91850
proprior: PINCOMB RICHARD	typeest: FLOUR/GRIST MILL	refnum: 1960
cdid: 0007 ced: F	cdistric: MIDDLESEX WEST	csd: STRATHROY V
sec: 5.01 sic: 105	month: 12	prop:
fixcap: 10000 floccap: 1000	typepow: W/S	force: 50
empmen: 6 empwom: .	empboy: .	empgirl: .
totemp: 6 wages: 1500	avwage: 20.83 per worker/month	
sumrawc: 50000	sumproc: 53000	vadd: 3000
rawmat1: GRAIN,WHEAT,OTHER runit1: BU	rquant1: 50000	rvalue1: 50000
prod1: FLOUR/FEED punit1:	pquant1: .	pvalue1: 53000
proprior: SIMMONS NELSON	typeest: GRIST MILL	refnum: 1896
cdid: 0007 ced: E-4	cdistric: MIDDLESEX WEST	csd: CARADOC
sec: 5.01 sic: 105	month: 12	prop:
fixcap: 3500 floccap: 200	typepow: STEAM	force: 17
empmen: 2 empwom: .	empboy: .	empgirl: .
totemp: 2 wages: 600	avwage: 25.00 per worker/month	
sumrawc: 30000	sumproc: 32500	vadd: 2500
rawmat1: GRAIN,WHEAT,OTHER runit1: BU	rquant1: 30000	rvalue1: 30000
prod1: FLOUR/FEED punit1:	pquant1: .	pvalue1: 32500
proprior: IRVING J & G & CO	typeest: GRIST MILL	refnum: 2006
cdid: 0008 ced: A-2	cdistric: MIDDLESEX NORTH	csd: ADELAIDE
sec: 5.01 sic: 105	month: 12	prop:
fixcap: 2000 floccap: 500	typepow: STEAM	force: 25
empmen: 2 empwom: .	empboy: .	empgirl: .
totemp: 2 wages: 200	avwage: 8.33 per worker/month	
sumrawc: 24000	sumproc: 25200	vadd: 1200
rawmat1: GRAIN runit1:	rquant1: 21000	rvalue1: 24000
prod1: FLOUR punit1: LB	pquant1: 8400	pvalue1: 25200
comments: CUSTOM WORK		
proprior: LAKE S & A	typeest: GRIST MILL	refnum: 2039
cdid: 0008 ced: B-3	cdistric: MIDDLESEX NORTH	csd: WILLIAMS W
sec: 5.01 sic: 105	month: 12	prop:
fixcap: 6000 floccap: 1200	typepow: STEAM	force: 30
empmen: 3 empwom: .	empboy: .	empgirl: .
totemp: 3 wages: 700	avwage: 19.44 per worker/month	
sumrawc: 40000	sumproc: 42000	vadd: 2000
rawmat1: GRAIN runit1: BU	rquant1: 40000	rvalue1: 40000
prod1: FLOUR/MEAL/CHOP punit1:	pquant1: .	pvalue1: 42000
comments: MOSTLY CUSTOM WORK		
proprior: PLEWES & CROW	typeest: FLOUR/GRIST MILL	refnum: 2459
cdid: 0009 ced: C-6	cdistric: MIDDLESEX EAST	csd: LONDON TP
sec: 5.01 sic: 105	month: 12	prop:
fixcap: 6000 floccap: 10000	typepow: WATER	force: 30
empmen: 5 empwom: .	empboy: .	empgirl: .
totemp: 5 wages: 1200	avwage: 20.00 per worker/month	
sumrawc: 130000	sumproc: 137772	vadd: 7772
rawmat1: GRAIN,WHEAT runit1: BU	rquant1: 100000	rvalue1: 130000
prod1: FLOUR/BRAN punit1: LB	pquant1: 22222	pvalue1: 133332
prod2: OFFAL punit2: TON	pquant2: 444	pvalue2: 4440

CANIND71 SAMPLE RECORDS

proprior: STANLEY DWIGHT & CO typeest: GRIST MILL refnum: 2213
 cddid: 0008 ced: F-2 cdistric: MIDDLESEX NORTH csd: BIDDULPH
 sec: 5.01 sic: 105 month: 12 prop:
 fixcap: 10000 floccap: 10000 typepow: STEAM force: 40
 empmen: 4 empwom: . empboy: . empgirl: .
 totemp: 4 wages: 1240 avwage: 25.83 per worker/month
 sumrawc: 48000 sumproc: 53000 vadd: 5000
 rawmat1: GRAIN,WHEAT,BARLEY,CORN/GRISTING rquant1: 60000 rvalue1: 48000
 prod1: FLOUR punit1: BBL pquant1: 14000 pvalue1: 53000
 comments: IT WOULD BE ABOUT IMPOSSIBLE TO TELL THE EXACT AMT GROUND AS WE EXCHANGE CONSIDERABLE WHRAT
 WITH FARMERS FOR FLOUR

proprior: HILLIARD & SAWNBY typeest: GRIST/FLOUR MILL refnum: 2385
 cddid: 0009 ced: C-1 cdistric: MIDDLESEX EAST csd: LONDON TP
 sec: 5.01 sic: 105 month: 12 prop:
 fixcap: 25000 floccap: 30000 typepow: WATER force: 60
 empmen: 7 empwom: . empboy: . empgirl: .
 totemp: 7 wages: 2064 avwage: 24.57 per worker/month
 sumrawc: 162000 sumproc: 192000 vadd: 30000
 rawmat1: GRAIN,WHEAT runit1: BU rquant1: 120000 rvalue1: 150000
 rawmat2: GRAIN,COARSE runit2: BU rquant2: 24000 rvalue2: 12000
 prod1: FLOUR punit1: BBL pquant1: 30000 pvalue1: 180000
 prod2: FEED punit2: BU pquant2: 23520 pvalue2: 12000

proprior: MCCORMICK THOMAS typeest: BISCUIT/CANDY MF refnum: 2713
 cddid: 0010 ced: D cdistric: LONDON csd: WARD NO 4
 sec: 5.01 sic: 107/108-C month: 12 prop:
 fixcap: 16000 floccap: 7000 typepow: force: .
 empmen: 22 empwom: 2 empboy: 6 empgirl: 3
 totemp: 33 wages: 10000 avwage: 25.25 per worker/month
 sumrawc: 299750 sumproc: 339875 vadd: 40125
 rawmat1: SUGAR runit1: rquant1: 250000 rvalue1: 287500
 rawmat2: ESSENCE/COLOUR runit2: rquant2: . rvalue2: 1000
 rawmat3: FLOUR runit3: rquant3: 250000 rvalue3: 7500
 rawmat4: BUTTER/LARD runit4: rquant4: . rvalue4: 3750
 prod1: BISCUITS punit1: LB pquant1: 25000 pvalue1: 12375
 prod2: CANDY punit2: pquant2: . pvalue2: 327500
 comments: HAND AND MACHINE

proprior: WILLS & MACHUTLIE ? typeest: ONT STARCH WORKS refnum: 2464
 cddid: 0009 ced: C-6 cdistric: MIDDLESEX EAST csd: LONDON TP
 sec: 5.01 sic: 108-S month: 12 prop:
 fixcap: 7000 floccap: 5000 typepow: STEAM force: 35
 empmen: 9 empwom: . empboy: 2 empgirl: .
 totemp: 11 wages: 3500 avwage: 26.52 per worker/month
 sumrawc: 14000 sumproc: 26500 vadd: 12500
 rawmat1: GRAIN,INDIAN CORN runit1: BU rquant1: 16500 rvalue1: 14000
 prod1: STARCH/BRAN punit1: TON pquant1: 165 pvalue1: 25000
 prod2: OFFAL punit2: BBL pquant2: 2000 pvalue2: 1500

proprior: CARLING WM & JOHN typeest: BREWERY refnum: 2732
 cddid: 0010 ced: F cdistric: LONDON csd: WARD NO 6
 sec: 5.01 sic: 109-B month: 12 prop:
 fixcap: 50000 floccap: 30000 typepow: STEAM force: 10
 empmen: 20 empwom: . empboy: . empgirl: .
 totemp: 20 wages: 6000 avwage: 25.00 per worker/month
 sumrawc: 31500 sumproc: 55000 vadd: 23500
 rawmat1: GRAIN,BARLEY runit1: BU rquant1: 25000 rvalue1: .
 rawmat2: HOPS runit2: LB rquant2: 25000 rvalue2: .
 prod1: ALE/PORTER punit1: BBL pquant1: 10000 pvalue1: 55000

CANIND71 SAMPLE RECORDS

proprior: LABATT JOHN & CO				typeest: LONDON BREWERY & MALT HOUSE		refnum: 2544
cdid:	0010	ced:	A	cdistric:	LONDON	csd: WARD NO 1
sec:	5.01	sic:	109-B	month:	12	prop:
fixcap:	25000	flocap:	.	typepow:	STEAM	force: 8
empmen:	14	empwom:	.	empboy:	.	empgirl: .
totemp:	14	wages:	4722	avwage:	28.11 per worker/month	
sumrawc:	24300			sumproc:	39600	vadd: 15300
rawmat1:	GRAIN,BARLEY	runit1:	BU	rquant1:	18000	rvalue1: 22000
rawmat2:	HOPS	runit2:	LB	rquant2:	18000	rvalue2: 2300
prod1:	ALE	punit1:	BBL	pquant1:	6000	pvalue1: .
prod2:	PORTER/ALE	punit2:	BOTTLE	pquant2:	70000	pvalue2: .
proprior: LONDON BOOT & SHOE MFG CO				typeest: BOOT/SHOE MF		refnum: 2521
cdid:	0010	ced:	A	cdistric:	LONDON	csd: WARD NO 1
sec:	5.04	sic:	174	month:	12	prop:
fixcap:	12000	flocap:	30000	typepow:		force: .
empmen:	30	empwom:	16	empboy:	.	empgirl: .
totemp:	46	wages:	20000	avwage:	36.23 per worker/month	
sumrawc:	40000			sumproc:	120000	vadd: 80000
rawmat1:	LEATHER	runit1:	LB	rquant1:	50000	rvalue1: 40000
prod1:	BOOTS/SHOES	punit1:	PR	pquant1:	100000	pvalue1: 120000
proprior: MCPHERSON JOHN & CO				typeest: BOOTS/SHOES		refnum: 2621
cdid:	0010	ced:	C-1	cdistric:	LONDON	csd: WARD NO 3
sec:	5.04	sic:	174	month:	12	prop:
fixcap:	25000	flocap:	50000	typepow:		force: .
empmen:	95	empwom:	22	empboy:	5	empgirl: .
totemp:	122	wages:	45000	avwage:	30.74 per worker/month	
sumrawc:	72000			sumproc:	120000	vadd: 48000
rawmat1:	LEATHER/FINDINGS	runit1:		rquant1:	200000	rvalue1: 72000
prod1:	BOOTS/SHOES	punit1:	PR	pquant1:	50000	pvalue1: 120000
comments:	WHOLESALE					
proprior: MCMECHAN & CO				typeest: BOOT/SHOE FACTORY		refnum: 2703
cdid:	0010	ced:	D	cdistric:	LONDON	csd: WARD NO 4
sec:	5.04	sic:	174	month:	12	prop:
fixcap:	25000	flocap:	.	typepow:		force: .
empmen:	44	empwom:	30	empboy:	3	empgirl: 3
totemp:	80	wages:	26000	avwage:	27.08 per worker/month	
sumrawc:	29000			sumproc:	65000	vadd: 36000
rawmat1:	LEATHER	runit1:	SIDE	rquant1:	10000	rvalue1: .
rawmat2:	CLOTH,SILK,OTHER	runit2:		rquant2:	.	rvalue2: .
prod1:	BOOTS/SHOES	punit1:	PR	pquant1:	30000	pvalue1: 65000
comments:	HAND AND MACHINE					
proprior: SCOON J A				typeest: STRATHROY WOOLEN MFG CO		refnum: 1937
cdid:	0007	ced:	F	cdistric:	MIDDLESEX WEST	csd: STRATHROY V
sec:	5.05	sic:	182	month:	12	prop:
fixcap:	46000	flocap:	40000	typepow:	STEAM	force: 35
empmen:	24	empwom:	20	empboy:	9	empgirl: 4
totemp:	57	wages:	13000	avwage:	19.01 per worker/month	
sumrawc:	54000			sumproc:	90000	vadd: 36000
rawmat1:	WOOL	runit1:	LB	rquant1:	180000	rvalue1: 54000
prod1:	CLOTH	punit1:	YD	pquant1:	100000	pvalue1: 90000
comments:	SCOON J A - PRESIDENT & ROBBS ALEX - MANAGER					

CANIND71 SAMPLE RECORDS

23

proprior: COULTHARD GEORGE J	typeest: SAW/GRIST/CARDING M	refnum: 1807
cdid: 0007 ced: C-1	cdistric: MIDDLESEX WEST	csd: EKFRID
sec: 5.08 sic: 251/105	month: 12	prop:
fixcap: 6000 floccap: 500	typepow: W/S	force: 30
empmen: 6 empwom: .	empboy: .	empgirl: .
totemp: 6 wages: 1800	avwage: 25.00 per worker/month	
sumrawc: 24680	sumproc: 31590	vadd: 6910
rawmat1: TIMBER runit1:	rquant1: 100000	rvalue1: 8000
rawmat2: GRAIN runit2:	rquant2: 20000	rvalue2: 15000
rawmat3: WOOL runit3:	rquant3: 6000	rvalue3: 1680
prodl: LUMBER punit1:	pquant1: 12000	pvalue1: 12000
prod2: FLOUR punit2:	pquant2: .	pvalue2: 17500
prod3: ROLLS,WOOL punit3:	pquant3: .	pvalue3: 2090
proprior: MCMAHON JOHN	typeest: SAW MILL	refnum: 1843
cdid: 0007 ced: D-1	cdistric: MIDDLESEX WEST	csd: METCALFE
sec: 5.08 sic: 251	month: 8	prop:
fixcap: 2500 floccap: 400	typepow: STEAM	force: 25
empmen: 6 empwom: .	empboy: .	empgirl: .
totemp: 6 wages: 1400	avwage: 29.17 per worker/month	
sumrawc: 4200	sumproc: 42000	vadd: 37800
rawmat1: LOGS runit1:	rquant1: 12000	rvalue1: 4200
prodl: LUMBER punit1: FT BM	pquant1: 700000	pvalue1: 42000
comments: SOLD AT MILL AND EXPORTED		
proprior: SMITH CHARLES	typeest: STAVE FACTORY	refnum: 2668
cdid: 0010 ced: C-1	cdistric: LONDON	csd: WARD NO 3
sec: 5.08 sic: 251	month: 12	prop:
fixcap: 5000 floccap: 10000	typepow: STEAM	force: 10
empmen: 3 empwom: .	empboy: 5	empgirl: .
totemp: 8 wages: 2500	avwage: 26.04 per worker/month	
sumrawc: 60000	sumproc: 75000	vadd: 15000
rawmat1: WOOD runit1:	rquant1: 300000	rvalue1: 60000
prodl: STAVES punit1:	pquant1: 300000	pvalue1: 75000
proprior: FANCITT BROS	typeest: PLANING/DOOR/SASH FY	refnum: 1950
cdid: 0007 ced: F	cdistric: MIDDLESEX WEST	csd: STRATHROY V
sec: 5.08 sic: 254	month: 12	prop:
fixcap: 8000 floccap: 7000	typepow: STEAM	force: 18
empmen: 18 empwom: .	empboy: 4	empgirl: .
totemp: 22 wages: 5000	avwage: 18.94 per worker/month	
sumrawc: 16000	sumproc: 25000	vadd: 9000
rawmat1: LUMBER runit1: FT	rquant1: 800000	rvalue1: 16000
prodl: DOORS/SASHES/BUILDINGS punit1:	pquant1: .	pvalue1: 25000
comments: PLANING MILL/DOOR/SASH/BLIND FACTORY		
proprior: SMITH CHARLES	typeest: BARREL FACTORY	refnum: 2683
cdid: 0010 ced: C-2	cdistric: LONDON	csd: WARD NO 3
sec: 5.08 sic: 259-C	month: 12	prop:
fixcap: 15000 floccap: 2000	typepow:	force: .
empmen: 40 empwom: .	empboy: 1	empgirl: .
totemp: 41 wages: 18720	avwage: 38.05 per worker/month	
sumrawc: 96000	sumproc: 122000	vadd: 26000
rawmat1: STAVES runit1:	rquant1: 300000	rvalue1: .
rawmat2: IRON runit2:	rquant2: .	rvalue2: .
prodl: BARRELS,OIL,WHISKEY punit1:	pquant1: 60000	pvalue1: 122000
comments: SOLD TO OIL REFINERS AND DISTILLERS		

CANIND71 SAMPLE RECORDS

proprior: MOORHEAD GEORGE	typeest: CABINET MANUFACTORY	refnum: 2629
cdid: 0010 ced: C-1	cdistric: LONDON	csd: WARD NO 3
sec: 5.09 sic: 261	month: 12	prop:
fixcap: 100000 flocap: 80000	typepow: STEAM	force: 10
empmen: 58 empwom: 3	empboy: 7	empgirl: .
totemp: 68 wages: 30000	avwage: 36.76 per worker/month	
sumrawc: 40000	sumproc: 150000	vadd: 110000
rawmat1: LUMBER runit1: FT	rquant1: 500000	rvalue1: 40000
prod1: FURNITURE punit1: SET	pquant1: 150	pvalue1: 150000
comments: WHOLESALE AND RETAIL		
proprior: GOODACRE ALBERT	typeest: CABINET/TURNING FCY	refnum: 2241
cdid: 0008 ced: F-3	cdistric: MIDDLESEX NORTH	csd: BIDDULPH
sec: 5.09 sic: 261/258	month: 12	prop:
fixcap: 300 flocap: 1500	typepow: STEAM	force: 12
empmen: 6 empwom: .	empboy: .	empgirl: .
totemp: 6 wages: 1300	avwage: 18.06 per worker/month	
sumrawc: 1200	sumproc: 35000	vadd: 33800
rawmat1: LUMBER/HARDWARE/TRIMMINGS runit1: .	rquant1: .	rvalue1: 1200
prod1: N/G punit1: .	pquant1: .	pvalue1: 35000
comments: CABINET FACTORY/TURNING/UNDERTAKING		
proprior: WINNETT EDWARD	typeest: BOILER MILL SHOP	refnum: 2491
cdid: 0009 ced: C-6	cdistric: MIDDLESEX EAST	csd: LONDON TP
sec: 5.13 sic: 301	month: 12	prop:
fixcap: 1500 flocap: 3000	typepow: .	force: .
empmen: 27 empwom: .	empboy: 2	empgirl: .
totemp: 29 wages: 12775	avwage: 36.71 per worker/month	
sumrawc: 80000	sumproc: 100000	vadd: 20000
rawmat1: BOILER PLATE runit1: TON	rquant1: 50	rvalue1: 80000
prod1: BOILERS/STILLS punit1: .	pquant1: 38	pvalue1: 100000
comments: ALTOGETHER IMPOSSIBLE TO GET A CORRECT ESTIMATE AS THE EMPLOYERS FURNISH MATERIALS		
proprior: .	typeest: BOILERS/PIPE FITTING	refnum: 2492
cdid: 0009 ced: C-6	cdistric: MIDDLESEX EAST	csd: LONDON TP
sec: 5.13 sic: 301/309	month: 12	prop:
fixcap: 1000 flocap: 200	typepow: .	force: .
empmen: 8 empwom: .	empboy: .	empgirl: .
totemp: 8 wages: 3500	avwage: 36.46 per worker/month	
sumrawc: 17000	sumproc: 27000	vadd: 10000
rawmat1: BOILER PLATE runit1: TON	rquant1: 100	rvalue1: 10000
rawmat2: IRON PIPING ? runit2: FT	rquant2: 20000	rvalue2: 5000
rawmat3: FITTINGS runit3: PIECE	rquant3: 2000	rvalue3: 2000
prod1: BOILERS/STILLS punit1: .	pquant1: 12	pvalue1: 15000
prod2: PIPES/FITTINGS punit2: .	pquant2: .	pvalue2: 12000
comments: BOILER/PIPE FITTING SHOP; MATERIALS ALL FOUND BY EMPLOYERS		
proprior: MCCLARY J & O	typeest: FOUNDRY	refnum: 2650
cdid: 0010 ced: C-1	cdistric: LONDON	csd: WARD NO 3
sec: 5.13 sic: 307-S/311	month: 12	prop:
fixcap: 50000 flocap: 75000	typepow: STEAM	force: 25
empmen: 65 empwom: 2	empboy: 6	empgirl: .
totemp: 73 wages: 30000	avwage: 34.25 per worker/month	
sumrawc: 60000	sumproc: 100000	vadd: 40000
rawmat1: IRON runit1: TON	rquant1: 1000	rvalue1: 30000
rawmat2: TIN runit2: BOX	rquant2: 2000	rvalue2: 30000
prod1: STOVES/IMPLEMENTS punit1: .	pquant1: 7500	pvalue1: 60000
prod2: TINWARE punit2: .	pquant2: .	pvalue2: 40000

CANIND71 SAMPLE RECORDS

proprior: FITZGERALD	typeest: PETROLEUM OIL RFNRY	refnum: 2470
cdid: 0009 ced: C-6	cdistric: MIDDLESEX EAST	csd: LONDON TP
sec: 5.18 sic: 365	month: 10	prop:
fixcap: 20000 floccap: 10000	typepow: STEAM	force: 12
empmen: 10 empwom: .	empboy: .	empgirl: .
totemp: 10 wages: 4000	avwage: 40.00 per worker/month	
sumrawc: 40000	sumproc: 90000	vadd: 50000
rawmat1: OIL,CRUDE runit1: 	rquant1: 15000	rvalue1: 30000
rawmat2: PAINT/CHEMICALS runit2: 	rquant2: .	rvalue2: 10000
prodl: OIL,BURNING punit1: 	pquant1: 9750	pvalue1: 90000
comments: NOT IN OPERATION		

proprior: ENGLEHART & CO	typeest: PETROLEUM OIL RFNRY	refnum: 2471
cdid: 0009 ced: C-6	cdistric: MIDDLESEX EAST	csd: LONDON TP
sec: 5.18 sic: 365	month: 12	prop:
fixcap: 50000 floccap: 50000	typepow: STEAM	force: 30
empmen: 40 empwom: .	empboy: 10	empgirl: .
totemp: 50 wages: 25000	avwage: 41.67 per worker/month	
sumrawc: 260000	sumproc: 540000	vadd: 280000
rawmat1: OIL,CRUDE runit1: BBL	rquant1: 125000	rvalue1: 225000
rawmat2: PAINT/CHEMICALS runit2: CARBOY	rquant2: 45000	rvalue2: 35000
prodl: OIL,REFINED BURNING punit1: 	pquant1: 90000	pvalue1: 540000

proprior: HIGGINS E	typeest: PARAFFIN WORKS	refnum: 2472
cdid: 0009 ced: C-6	cdistric: MIDDLESEX EAST	csd: LONDON TP
sec: 5.18 sic: 365	month: 12	prop:
fixcap: 20000 floccap: 10000	typepow: STEAM	force: 10
empmen: 12 empwom: .	empboy: 4	empgirl: .
totemp: 16 wages: 6000	avwage: 31.25 per worker/month	
sumrawc: 23000	sumproc: 35000	vadd: 12000
rawmat1: OIL,HEAVY runit1: BBL	rquant1: 15000	rvalue1: 23000
prodl: OIL,LUBRICATING/PARAFFIN WAX punit1: 	pquant1: 6000	pvalue1: 35000

proprior: MINHINNICK J M & CO	typeest: OIL REFINERY	refnum: 2473
cdid: 0009 ced: C-6	cdistric: MIDDLESEX EAST	csd: LONDON TP
sec: 5.18 sic: 365	month: 12	prop:
fixcap: 11500 floccap: 15000	typepow: STEAM	force: 10
empmen: 10 empwom: .	empboy: .	empgirl: .
totemp: 10 wages: 4108	avwage: 34.23 per worker/month	
sumrawc: 60800	sumproc: 100400	vadd: 39600
rawmat1: PETROLEUM,CRUDE runit1: BBL	rquant1: 26000	rvalue1: 50000
rawmat2: PAINT/CHEMICALS runit2: CARBOY	rquant2: 1800	rvalue2: 10800
prodl: OIL,REFINED punit1: BBL	pquant1: 16900	pvalue1: 100400

proprior: ROSS A & CO	typeest: PETROLEUM OIL RFNRY	refnum: 2476
cdid: 0009 ced: C-6	cdistric: MIDDLESEX EAST	csd: LONDON TP
sec: 5.18 sic: 365	month: 12	prop:
fixcap: 17000 floccap: 5000	typepow: STEAM	force: 16
empmen: 9 empwom: .	empboy: .	empgirl: .
totemp: 9 wages: 5000	avwage: 46.30 per worker/month	
sumrawc: 29000	sumproc: 64000	vadd: 35000
rawmat1: OIL,CRUDE runit1: BBL	rquant1: 12000	rvalue1: 24000
rawmat2: PAINT/CHEMICALS runit2: 	rquant2: .	rvalue2: 5000
prodl: PETROLEUM,REFINED	pquant1: 	pvalue1: 64000

CANIND71 SAMPLE RECORDS

proprior: ELLIOTT JOHN & CO	typeest: FOUNDRY/AGRC WORKS	refnum: 1964
cdid: 0007 ced: F	cdistric: MIDDLESEX WEST	csd: STRATHROY V
sec: 5.14 sic: 311	month: 12	prop:
fixcap: 6000 floccap: 15000	typepow: STEAM	force: 16
empmen: 20 empwom: .	empboy: .	empgirl: .
totemp: 20 wages: 7500	avwage: 31.25 per worker/month	
sumrawc: 7000	sumproc: 26000	vadd: 19000
rawmat1: WOOD/IRON/COPPER/BRASS/PAINT/OIL	rquant1: .	rvalue1: 7000
prod1: REAPERS/MOWERS punit1:	pquant1: 120	pvalue1: 16000
prod2: THRESHING MACHINES punit2:	pquant2: 15	pvalue2: 4500
prod3: PLOUGHS punit3:	pquant3: 250	pvalue3: 4000
prod4: JOB WORK/CASTINGS punit4:	pquant4: .	pvalue4: 1500
comments: PHOENIX FOUNDRY/AGRICULTURAL WORKS; A JOINT STOCK COMPANY		

proprior: MAHON/WILSON/COOPER	typeest: PETROLEUM OIL RPNRY	refnum: 2465
cdid: 0009 ced: C-6	cdistric: MIDDLESEX EAST	csd: LONDON TP
sec: 5.18 sic: 365	month: 9	prop:
fixcap: 5000 floccap: 8000	typepow: STEAM	force: 10
empmen: 9 empwom: .	empboy: .	empgirl: .
totemp: 9 wages: 5000	avwage: 61.73 per worker/month	
sumrawc: 16800	sumproc: 58700	vadd: 41900
rawmat1: OIL,CRUDE runit1: BBL	rquant1: 8000	rvalue1: 14000
rawmat2: PAINT/CHEMICALS runit2:	rquant2: .	rvalue2: 2800
prod1: OIL,BURNING punit1: BBL	pquant1: 6000	pvalue1: 48000
prod2: OIL,LUBRICATING punit2:	pquant2: 1000	pvalue2: 10000
prod3: PARAFFIN WAX punit3: TON	pquant3: 8	pvalue3: 700

proprior: WATERMAN H & I	typeest: PETROLEUM REFINING WORKS	refnum: 2461
cdid: 0009 ced: C-6	cdistric: MIDDLESEX EAST	csd: LONDON TP
sec: 5.18 sic: 365	month: 12	prop:
fixcap: 30000 floccap: 20000	typepow: STEAM	force: 15
empmen: 20 empwom: .	empboy: .	empgirl: .
totemp: 20 wages: 8000	avwage: 33.33 per worker/month	
sumrawc: 72000	sumproc: 180000	vadd: 108000
rawmat1: OIL,CRUDE runit1: BBL	rquant1: 30000	rvalue1: 60000
rawmat2: PAINT/CHEMICALS runit2:	rquant2: .	rvalue2: 12000
prod1: PETROLEUM,REFINED punit1: BBL	pquant1: 20000	pvalue1: 180000

proprior: THOMPSON J V	typeest: OIL REFINERY	refnum: 2468
cdid: 0009 ced: C-6	cdistric: MIDDLESEX EAST	csd: LONDON TP
sec: 5.18 sic: 365	month: 11	prop:
fixcap: 5000 floccap: 5000	typepow: STEAM	force: 8
empmen: 5 empwom: .	empboy: .	empgirl: .
totemp: 5 wages: 2000	avwage: 36.36 per worker/month	
sumrawc: 19200	sumproc: 41600	vadd: 22400
rawmat1: OIL,CRUDE runit1: BBL	rquant1: 8000	rvalue1: 16000
rawmat2: PAINT/CHEMICALS runit2:	rquant2: .	rvalue2: 3200
prod1: OIL,BURNING punit1:	pquant1: 5200	pvalue1: 41600

proprior: HODGINS J D	typeest: PETROLEUM OIL RPNRY	refnum: 2469
cdid: 0009 ced: C-6	cdistric: MIDDLESEX EAST	csd: LONDON TP
sec: 5.18 sic: 365	month: 11	prop:
fixcap: 4000 floccap: 6000	typepow: STEAM	force: 12
empmen: 4 empwom: .	empboy: .	empgirl: .
totemp: 4 wages: 1600	avwage: 36.36 per worker/month	
sumrawc: 22000	sumproc: 50000	vadd: 28000
rawmat1: OIL,CRUDE runit1: BBL	rquant1: 10000	rvalue1: 20000
rawmat2: PAINT/CHEMICALS runit2:	rquant2: .	rvalue2: 2000
prod1: OIL,PETROLEUM BURNING punit1:BBL	pquant1: 6500	pvalue1: 50000
comments: NOT IN OPERATION		

CANIND71 SAMPLE RECORDS

proprior: SPENCER/KEENLEYSIDE	typeest: PETROLEUM OIL RFRY	refnum: 2477
cdid: 0009 ced: C-6	cdistric: MIDDLESEX EAST	csd: LONDON TP
sec: 5.18 sic: 365	month: 12	prop:
fixcap: 15000 floccap: 6000	typepow: STEAM	force: 12
empmen: 8 empwom: .	empboy: .	empgirl: .
totemp: 8 wages: 2256	avwage: 23.50 per worker/month	
sumrawc: 28555	sumproc: 90000	vadd: 61445
rawmat1: OIL,CRUDE runit1: BBL	rquant1: 14722	rvalue1: 23555
rawmat2: PAINT/CHEMICALS runit2:	rquant2: .	rvalue2: 5000
prod1: OIL,REFINED BURNING punit1: BBL	pquant1: 9500	pvalue1: 90000

proprior: MCMILLEN & CO	typeest: PARAFFIN WORKS	refnum: 2478
cdid: 0009 ced: C-6	cdistric: MIDDLESEX EAST	csd: LONDON TP
sec: 5.18 sic: 365	month: 12	prop:
fixcap: 10000 floccap: 15000	typepow: STEAM	force: 12
empmen: 12 empwom: .	empboy: 1	empgirl: .
totemp: 13 wages: 4800	avwage: 30.77 per worker/month	
sumrawc: 2800	sumproc: 76000	vadd: 73200
rawmat1: PETROLEUM RESIDUUM runit1: BBL	rquant1: 7000	rvalue1: 2800
prod1: OIL,LUBRICATING,OTHER punit1: BBL	pquant1: 5000	pvalue1: 60000
prod2: PARAFFIN WAX punit2: BBL	pquant2: 80000	pvalue2: 16000
comments: MCMILLEN & CO RETIRED, PRESENT PROPRIETORS ARE LAMB & BERESFORD		

proprior: LOVETT & PARKS & CO	typeest: OIL REFINERY	refnum: 2484
cdid: 0009 ced: C-6	cdistric: MIDDLESEX EAST	csd: LONDON TP
sec: 5.18 sic: 365	month: 4	prop:
fixcap: 2000 floccap: 500	typepow:	force: .
empmen: 4 empwom: .	empboy: .	empgirl: .
totemp: 4 wages: 1500	avwage: 93.75 per worker/month	
sumrawc: 14000	sumproc: 32000	vadd: 18000
rawmat1: OIL,CRUDE runit1:	rquant1: 7280	rvalue1: 14000
prod1: OIL,REFINED punit1: BBL	pquant1: 4000	pvalue1: 32000
comments: REFINERY JUST FINISHED BUILDING AND NOT STARTED REFINING; ESTIMATE OF WHAT THEY DO		

proprior: MACHUTTON & CO	typeest: ONT CHEMICAL WORKS	refnum: 2487
cdid: 0009 ced: C-6	cdistric: MIDDLESEX EAST	csd: LONDON TP
sec: 5.19 sic: 379-C	month: 12	prop:
fixcap: 40000 floccap: 15000	typepow:	force: .
empmen: 10 empwom: .	empboy: .	empgirl: .
totemp: 10 wages: 4000	avwage: 33.33 per worker/month	
sumrawc: 27200	sumproc: 40000	vadd: 12800
rawmat1: SULPHUR runit1: TON	rquant1: 400	rvalue1: 24000
rawmat2: NITRATE OF SODA runit2: TON	rquant2: 40	rvalue2: 3200
prod1: ACID,SULPHURIC/OIL OF VITRIOL punit1: TON	pquant1: 1000	pvalue1: 40000

proprior: CANADA CHEMICAL CO F	typeest: CHEMICAL MF	refnum: 2463
cdid: 0009 ced: C-6	cdistric: MIDDLESEX EAST	csd: LONDON TP
sec: 5.19 sic: 379-C	month: 12	prop:
fixcap: 40000 floccap: 10000	typepow: STEAM	force: 25
empmen: 11 empwom: .	empboy: .	empgirl: .
totemp: 11 wages: 5800	avwage: 43.94 per worker/month	
sumrawc: 21200	sumproc: 40000	vadd: 18800
rawmat1: COPPER ORE runit1: TON	rquant1: 1200	rvalue1: 18000
rawmat2: NITRATE OF SODA runit2: TON	rquant2: 40	rvalue2: 3200
prod1: SULPHURIC ACID/OIL OF VITRIOL punit1: TON	pquant1: 1000	pvalue1: 40000
comments: CANADA CHEMICAL MANUFACTURING CO; JOINT STOCK CO LTD		

Power Technology

Only one in every five industrial firms in Middlesex County in April 1871 reported using water or steam power, about the same as the share of powered firms in Ontario generally. Such firms were disproportionately important in employment, investment and production. Water-and steam-powered enterprises employed nearly two of every five industrial workers, and reported two thirds of the value of fixed capital invested in industry and almost three-fifths of gross value of output.¹⁶

In contrast to the pattern in most counties, steam engines were far more important than waterwheels in powering industrial establishments in Middlesex County. Steam powered just under half the total value of output, compared with a mean of 36 per cent across Ontario. Human hand power was also important in this region, powering 40 per cent of industrial production, compared with an Ontario mean of 31 per cent.

Table A-5 presents summary data for the 60 or so businesses that reported at least 25 horsepower of steam or water power. Sixteen of these were powered by waterwheels and another six by water boosted by steam engines. Half of these establishments using larger capacities of inanimate power (especially water) were grist or flour mills. A wider variety of industry types used steam engines, especially and typically in urban centres. Large capacities of inanimate power were not necessarily associated with the highest output values. The grist mills of Hilliard and Sawnby and Plewes and Crow in London Township and of Richard Pincomb in Strathroy were the only firms to report water power of at least 25 hp capacity and outputs greater than \$35,000. Large and middle-sized outputs were more typically achieved with steam engines. Englehart's oil refinery in London Township produced \$540,000 worth with a 30-hp steam engine while the McClary foundry in London reported a 25-hp steam engine and \$100,000 worth of output.

Work Environments

The CANIND71 database provides a snapshot of the transition from artisanal craftshops to factories using machinery and integrated work processes. A useful concept in understanding this transition is the **work environment**, which combines measures of the size of the workplace with the extent to which non-manual power was used in the industrial process. A basic distinction is made drawn between workplaces with no inanimate power (represented on the left side of the diagram) and workplaces powered by water or steam (right side). Work environments are further categorized as to the size of their workforces, producing four size classes: 1-5 workers, 6-25 workers, 26-50 workers, and 51 or more workers. Powered establishments with at least 26 workers are called **factories**, while **manufactories** are non-powered workplaces with at least 26 workers. Smaller powered establishments are called **mills** if they had from 6 to 25 workers, **powered craftshops** if they had 5 or fewer workers.

¹⁶ See G.T. Bloomfield, Water Wheels and Steam Engines: Powered Establishments of Ontario (CANIND71 Research Report 2, 1989).

USE OF POWER			
		non-powered (hand/horse only)	powered by water or steam
SIZE OF WORKFORCE	51+	MANUFACTORIES (larger)	FACTORIES (larger)
	26-50	MANUFACTORIES (smaller)	FACTORIES (smaller)
	6-25	SWEATSHOPS and larger CRAFTSHOPS	MILLS
	1-5	ARTISANS' CRAFTSHOPS	POWERED WORKSHOPS, smaller MILLS
		non-powered (hand/horse only)	powered by water or steam
		SIZE OF WORKFORCE	

Table 7
DISTRIBUTION OF WORKERS IN WORK ENVIRONMENTS, 1871

Work Environment (# employees)	Rural Ontario	Urban Ontario	Urban Middlesex County	Rural Middlesex County
Non-Powered	%	%	%	%
Artisans (1-5 emp)	45.4	17.8	14.5	43.6
Sweatshops (6-25 emp)	5.8	20.2	26.6	17.7
Manufactories (26-50 emp)	0.3	4.8	12.6	1.5
Manufactories (>51 emp)	0.5	5.5	7.2	-
Sub-Total	52.0	48.3	60.9	62.8
Powered				
Small (1-5 emp)	15.8	3.2	1.2	10.4
Medium (6-25 emp)	19.6	13.0	16.5	24.2
Factories (26-50 emp)	5.4	8.3	12.4	2.6
Factories (>51 emp)	7.2	27.2	9.0	-
Sub-Total	48.0	51.7	39.1	37.2
TOTAL	100.0	100.0	100.0	100.0

Workplaces using only hand or horse power are called **artisans' craftshops** if they employed 5 or fewer. Slightly larger craftshops, without water or steam power and employing between 6 and 25 workers, have been called **sweatshops** in the context of a large city. **Outworkers**, who toiled at home under the putting-out system, would be included with the artisans' craftshops, from which it is hard to distinguish them on census manuscript evidence alone.¹⁷ We should note that the terms used to describe the eight types of work environment do not really match contemporary usage in 1871, when factories, manufactories and shops were generic terms used interchangeably for all sizes of establishment. Our transcription of the natural language used by the census enumerators allows readers to note this terminology in the (TYPEEST) Type of Establishment data in the Appendix tables of this report.

How significant were the various work environments in Middlesex County in 1871? Table 7 summarizes the proportions of workers employed in the eight basic types of workplace, for the urban centres (mainly London and Strathroy) and for the remainder of rural Middlesex County, in relation to the proportions for all of urban Ontario and all of rural Ontario. Both urban and rural industries in Middlesex County depended significantly less on inanimate power than elsewhere in Ontario. Rural and urban workplaces in Middlesex tended more to be middle-sized, compared with the provincial urban and rural means. Workshops, mills, manufactories and factories employing between 6 and 50 workers, both those using steam or water power and those depending on human or animal power, employed above-average shares of the industrial workforce. Large factories were notably under-developed.

Nearly 550 women and girls were employed in the industrial establishments of Middlesex County in 1871, 340 of them in London and 42 in Strathroy. But the female share of the industrial workforce (11.5 per cent) was lower than the average for Ontario and the share in some counties and cities such as Montreal (34 per cent), Quebec City (27 per cent), Toronto (24 per cent), Leeds and Grenville County (20 per cent), Lanark (19.7 per cent), Carleton, Northumberland and Durham, Perth or Prince Edward Counties (all just over 15 per cent). While most male workers were counted in powered establishments, notably large factories, most female workers were in smaller workplaces that used only manual power. Table A-6 lists the 75 establishments that employed at least two women or girls. Three in four of all women and girls in industry were employed in clothing establishments, with smaller concentrations in textile mills, footwear manufactories and a few cheese factories.

¹⁷ For more discussion of this concept see Patterns of Canadian Industry in 1871 (Report 12) and Elizabeth Bloomfield and G.T. Bloomfield, Canadian Women in Workshops, Mills and Factories: The Evidence of the 1871 Census Manuscripts (CANIND71 Research Report 11, 1991).

Appendix Tables

This county report presents several kinds of tabulations which are briefly introduced here. In understanding the abbreviated code names of database variables, users are referred to Table 3 on page 7, for the Standard Industrial Classification codes to Table 1 on page 5, and for the Major Industry Groups to Table 2 on page 6. London distinguished from the rest of Middlesex County in Tables A-2 and A-8/9.

Table A-1: Middlesex County: Geographical Summary of Firms, 1871

Summary data for each Census Sub-District (CSD), including horse-power units of non-manual power, value of fixed and floating capital, numbers of employees (men, women, boys, girls and total), annual wages paid, costs of raw materials, gross value of production, value added in manufacturing, and number of establishments. Data are totalled for each Census District (or part thereof) in the county, and totalled for the whole county. See Figure 1 for a map of CSDs and pp. 9-12 for discussion.

Table A-2: Middlesex County and London: Industrial Structures, 1871 Summary data for each Major Industry Group, of establishments, horse-power units, value of fixed capital, total employment, gross value of production, and value added in manufacturing. See Figure 2 for diagrammatic representations for the employment structure by Major Industry Groups of Middlesex County, London and Strathroy and all of Ontario.

Table A-3: Basic SIC codes for Middlesex County, 1871 Summary data for each Standard Industrial Classification type (including code suffixes but trimming compounds). For discussion of SIC types, see pp. 4-5 and p. 12.

Table A-4: Listings of Individual Establishments, Ranked by Value of Output, for Various SIC Types, 1871

Data for pork packers; cheese factories; flour mills; bakeries; beverage makers; tanneries; saddlers; bootmakers; textile producers; paper mills; clothing producers; saw mills; coopers; planing mills; building contractors; furniture shops; tinsmiths; machinery producers; carriage and wagon shops; brick, marble and lime works; oil refineries and chemical works; and blacksmiths.

Table A-5: Middlesex County: Firms Using Inanimate Power, 1871 Data for individual establishments reporting at least 25 hp of water or steam power, ranked by horse-power units.

Table A-6: Middlesex County: Firms Employing at least Two Females in 1871 Data for individual establishments, ranked by number of women and girls employed. Note use of FEMALE variable (total number of women and girls employed) variable.

Table A-7: Middlesex County excl. London: Firms by Name of Proprietor, 1871 Data for individual establishments in alphabetical order of proprietor's name.

Table A-8: London: Firms by Name of Proprietor, 1871 Data for individual establishments in alphabetical order of proprietor's name.

Table A-9: Strathroy and Wardsville: Firms by Name of Proprietor, 1871 Data for individual establishments in alphabetical order of proprietor's name.

LONDON-MIDDLESEX: GEOGRAPHICAL SUMMARY OF FIRMS, 1871

CDID	CED	CSD	FORCE	FIXCAP	FLOCAP	EMP MEN	EMP WOM	EMP BOY	EMP GIRL	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD	OBSERV
O007	A	MOSA	127	33220	18100	63	2	2	.	67	14310	20834	55100	30606	25
O007	B	WARDSVILLE V	79	32749	13110	67	9	1	.	77	10096	28194	59534	23860	32
O007	C	EKFRID	125	29757	6470	80	5	11	.	96	15625	50409	103402	52993	36
O007	D	METCALFE	141	32715	18232	56	3	9	3	71	7826	54202	67858	13522	23
O007	E	CARADOC	200	32840	15265	88	1	23	.	112	24199	81860	136470	54610	37
O007	F	STRATHROY V	291	154150	168950	348	35	50	7	440	111120	265870	504400	238530	62
O007	G	DELAWARE	50	17450	2921	55	3	1	.	59	6255	9653	24987	13284	30
O007			1013	332881	243048	757	58	97	10	922	189431	511022	951751	427405	245
O008	A	ADELAIDE	137	17030	8450	68	1	6	.	75	8116	48945	73520	24575	21
O008	B	WILLIAMS W	281	56527	22670	100	17	8	6	131	21496	138443	187350	47477	47
O008	C	WILLIAMS E	217	22517	5340	44	6	1	.	51	6287	27959	40865	14106	31
O008	D	LOBO	227	31080	16395	75	17	7	2	101	8357	47059	71774	23665	53
O008	E	MCGILLIVRAY	142	36383	15999	111	20	6	.	137	19258	54953	106263	50210	53
O008	F	BIDDULPH	142	45563	50625	111	16	6	2	135	24549	113020	188983	72508	65
O008			1146	209100	119479	509	77	34	10	630	88063	430379	668755	232541	270
O009	A	WESTMINSTER	220	64380	49360	237	11	15	8	271	39283	70179	179705	109526	69
O009	B	DORCHESTER N	76	32516	10290	77	9	6	2	94	16454	49000	88508	32508	47
O009	C	LONDON TP	618	432185	278362	459	18	32	3	512	154777	1189931	2193069	1003138	120
O009	D	NISSOURI W	45	13375	5750	29	2	.	.	31	5090	26394	36862	10310	18
O009			959	542456	343762	802	40	53	13	908	215604	1335504	2498144	1155482	254
O010	A	WARD NO 1	98	228600	288850	352	69	23	1	445	125480	408701	742919	334218	31
O010	B	WARD NO 2	103	153324	142750	333	110	10	14	467	119527	395296	659590	264294	69
O010	C	WARD NO 3	144	342100	363730	596	53	50	4	703	257550	450931	981799	526868	70
O010	D	WARD NO 4	48	160200	81000	273	82	63	6	424	123650	461648	703475	241827	27
O010	E	WARD NO 5	126	91000	183770	213	1	10	.	224	61892	247238	410430	163192	15
O010	F	WARD NO 6	10	50040	30000	22	.	.	.	22	6350	31900	56000	24100	2
O010	G	WARD NO 7	4	5000	1400	11	.	.	.	11	2640	1048	4240	3192	3
O010			533	1030264	1091500	1800	315	156	25	2296	697089	1996762	3558453	1557691	217
			3651	2114701	1797789	3868	490	340	58	4756	1190187	4273667	7677103	3373119	986

MIDDLESEX COUNTY EXCL LONDON: MAJOR INDUSTRY GROUPS, 1871

SEC	OBSERV		FORCE		FIXCAP		TOTEMP		SUMPROC		VADD	
	SUM	PERC- ENT	SUM	PERC- ENT	SUM	PERC- ENT	SUM	PERC- ENT	SUM	PERC- ENT	SUM	PERC- ENT
1	2	0.3	14	0.4	140	0.0	2	0.1	260	0.0	-440	-0.0
5.01	97	12.6	1330	42.7	267940	24.7	263	10.7	1055130	25.6	115081	6.3
5.04	104	13.5	47	1.5	43345	4.0	243	9.9	193264	4.7	103180	5.7
5.05	64	8.3	214	6.9	93935	8.7	198	8.0	167458	4.1	63551	3.5
5.07	41	5.3	.	.	9297	0.9	102	4.1	57177	1.4	22826	1.3
5.08	86	11.2	1006	32.3	145835	13.4	381	15.5	370410	9.0	206472	11.4
5.09	26	3.4	46	1.5	17600	1.6	65	2.6	72370	1.8	62161	3.4
5.1	1	0.1	.	.	50	0.0	2	0.1	400	0.0	220	0.0
5.11	2	0.3	4	0.1	5500	0.5	14	0.6	11000	0.3	6700	0.4
5.13	25	3.3	34	1.1	18540	1.7	96	3.9	166085	4.0	54561	3.0
5.14	22	2.9	100	3.2	47725	4.4	96	3.9	86550	2.1	58718	3.2
5.15	77	10.0	29	0.9	47950	4.4	234	9.5	164816	4.0	92386	5.1
5.17	60	7.8	58	1.9	29541	2.7	307	12.5	102547	2.5	90541	5.0
5.18	16	2.1	208	6.7	238500	22.0	187	7.6	1425700	34.6	796845	43.9
5.19	17	2.2	26	0.8	84950	7.8	48	2.0	100160	2.4	43381	2.4
5.2	6	0.8	.	.	1890	0.2	13	0.5	11140	0.3	7440	0.4
6	10	1.3	2	0.1	5210	0.5	32	1.3	45475	1.1	33825	1.9
10	113	14.7	.	.	26489	2.4	177	7.2	88708	2.2	57980	3.2
ALL	769	100.0	3118	100.0	1084437	100.0	2460	100.0	4118650	100.0	1815428	100.0

CITY OF LONDON: MAJOR INDUSTRY GROUPS, 1871

	OBSERV			FORCE			FIXCAP			TOTEMP			SUMPROC			VADD		
	SUM	PERC- ENT	SUM	PERC- ENT	SUM	PERC- ENT	SUM	PERC- ENT	SUM	PERC- ENT	SUM	PERC- ENT	SUM	PERC- ENT	SUM	PERC- ENT	SUM	PERC- ENT
SEC																		
5.01	29	13.4	87	16.3	235050	22.8	309	13.5	1227123	34.5	263280	16.9						
5.02	3	1.4	.	.	6040	0.6	17	0.7	13100	0.4	5500	0.4						
5.04	28	12.9	54	10.1	114150	11.1	360	15.7	477025	13.4	249450	16.0						
5.05	2	0.9	.	.	225	0.0	2	0.1	1760	0.0	1010	0.1						
5.07	39	18.0	.	.	46056	4.5	339	14.8	295680	8.3	124908	8.0						
5.08	22	10.1	97	18.2	71693	7.0	285	12.4	412575	11.6	191885	12.3						
5.09	6	2.8	22	4.1	117300	11.4	109	4.7	211700	5.9	160285	10.3						
5.11	4	1.8	14	2.6	31600	3.1	95	4.1	61000	1.7	34000	2.2						
5.12	1	0.5	8	1.5	5000	0.5	10	0.4	14000	0.4	6500	0.4						
5.13	11	5.1	41	7.7	80600	7.8	124	5.4	165050	4.6	73135	4.7						
5.14	12	5.5	115	21.6	92350	9.0	144	6.3	167425	4.7	130796	8.4						
5.15	18	8.3	55	10.3	83400	8.1	238	10.4	189472	5.3	122869	7.9						
5.17	7	3.2	.	.	11800	1.1	30	1.3	44040	1.2	23744	1.5						
5.19	2	0.9	1	0.2	6500	0.6	15	0.7	12500	0.4	7780	0.5						
5.2	5	2.3	4	0.8	21100	2.0	33	1.4	46100	1.3	31120	2.0						
6	16	7.4	35	6.6	37000	3.6	154	6.7	178200	5.0	101250	6.5						
7	1	0.5	.	.	60000	5.8	9	0.4	19039	0.5	13115	0.8						
10	11	5.1	.	.	10400	1.0	23	1.0	22664	0.6	17064	1.1						
ALL	217	100.0	533	100.0	1030264	100.0	2296	100.0	3558453	100.0	1557691	100.0						

BASIC SIC CODES FOR MIDDLESEX-LONDON, 1871

SIC	OBSERV	FORCE	FIXCAP	FLOCAP	EMPMEN	EMPWOM	EMPBOY	EMPGIRL	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
021	2	14	140	34	2	0	0	.	2	20200	700	260	-440
101-P	6	29	82950	220000	132	7	5	.	144	200	424382	543060	118678
101-T	1	.	50	100	1	0	0	.	1	200	2500	2800	300
104	35	5	30750	20273	52	35	6	11	104	8416	82051	100833	18302
105	48	1277	233700	83630	112	3	5	3	123	27548	873149	964628	82319
105-O	1	16	3000	1000	2	0	0	.	2	500	10000	11000	1000
107	16	.	35590	13500	53	4	10	3	70	17770	354955	419002	65447
108-B	1	10	2000	1000	1	0	4	.	5	500	1250	2500	1250
108-C	4	12	14800	14200	40	6	3	.	49	12050	64187	84350	20163
108-I	1	1	3000	2500	6	0	0	.	6	2000	.	4000	.
108-S	1	35	7000	5000	9	0	2	.	11	3500	14000	26500	12500
109-B	7	32	84300	36500	44	0	1	.	45	13534	62478	110480	48002
109-S	3	.	3350	2200	5	0	4	.	9	1750	1800	9600	7800
109-W	2	.	2500	3000	3	0	0	.	3	800	900	3500	2600
153	3	.	6040	16500	13	0	4	.	17	4950	7600	13100	5500
172	7	85	41700	28600	46	0	1	.	47	15813	66770	113780	47010
174	93	.	89015	108485	361	73	19	3	456	134500	211441	461139	248738
179	2	16	7000	3000	11	0	2	.	13	3000	1522	13000	11478
179-S	29	.	19280	20020	82	1	2	.	85	19897	35116	80170	44354
179-T	1	125	500	600	2	0	16	7	108	20770	78110	132926	1050
182	8	.	77500	54500	49	36	1	.	2	220	1150	2200	1050
182-W	45	.	1180	65	14	32	1	3	50	385	5384	10621	4460
184	1	.	200	200	3	0	1	.	4	375	1500	2660	1160
186	1	.	75	20	1	0	0	.	1	180	500	1260	760
189-D	1	.	150	.	1	0	0	.	1	150	250	500	250
189-F	1	16	1500	.	20	0	0	.	20	2450	1200	5356	4156
189-S	1	.	35	10	1	0	0	.	1	300	50	400	350
189-W	8	73	13520	1880	13	0	2	.	15	2200	16886	15495	-1391
242	25	.	17970	36100	77	87	6	7	177	41880	70950	128500	57550
243	28	.	17882	7740	58	50	2	.	110	19156	49051	100027	50976
244	13	.	3282	13035	4	56	0	8	68	6496	24055	39705	13150
245	5	.	1749	.	0	23	0	1	24	1650	21350	26750	5400
246	2	.	3700	12000	2	16	0	.	18	3400	7600	15000	7400
249-M	7	.	10770	10150	2	32	0	10	44	4337	29617	42875	13258
251	47	902	117200	53310	206	2	31	1	240	44062	177598	322275	144247
252	2	6	3600	1400	4	0	1	.	5	700	620	5000	4380
254	9	96	44818	28950	145	0	9	.	154	51402	47040	143560	96520
256	1	.	75	10	1	0	0	.	1	375	100	175	75
258	2	.	1500	800	4	0	0	.	5	1400	1900	6100	4200
259	9	4	3805	2520	16	0	0	.	16	3460	4906	11440	6534
259-C	31	71	40780	115570	225	0	6	.	231	81734	147084	283685	136261
259-G	1	.	50	.	0	0	1	.	1	150	300	1000	700
259-W	6	24	5700	1100	11	0	2	.	13	3135	4310	9750	5440
261	30	68	131600	108175	151	4	15	.	170	62755	60124	276310	216186
266	2	.	3300	1400	3	1	0	.	4	1400	1500	7760	6260
273	1	.	50	.	1	1	0	.	2	200	180	400	220
287-B	2	.	1600	3500	6	2	1	1	10	2200	7000	11000	4000
289	4	18	35500	19000	53	0	46	.	99	24500	24300	61000	36700
294	1	8	5000	6750	9	0	1	.	10	3750	7500	14000	6500
301	3	.	2900	4000	41	0	3	.	44	18615	97700	130100	32400
304-T	14	.	27500	8130	43	4	2	.	49	13250	36916	70150	32134

BASIC SIC CODES FOR MIDDLESEX-LONDON, 1871

SIC	OBSERV	FORCE	FIXCAP	FLOCAP	EMP MEN	EMP WOM	EMP BOY	EMP GIRL	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
305	1	12	2000	150	1	0	1	.	2	400	1280	3000	1720
306	3	38	10700	6000	28	1	3	.	32	6900	3501	15015	11514
307-S	1	25	50000	75000	65	2	6	.	73	30000	60000	100000	40000
308	1	.	1000	2000	3	1	1	.	5	400	1200	2400	1200
309	13	.	5040	4050	15	0	0	.	15	3518	1742	10470	8728
311	19	172	129625	177600	188	0	7	.	195	61739	59476	220600	161124
315	1	.	500	1000	0	0	1	.	1	450	500	1000	500
315-H	3	10	1700	2700	6	0	1	.	7	1800	300	4600	4300
315-P	11	33	8250	14010	33	2	2	.	37	11100	4185	27775	23590
326	2	35	20000	.	34	0	4	.	38	13986	20830	42000	21170
329-P	80	22	86367	29500	347	0	12	.	359	81746	81867	246051	158464
329-P	13	27	25050	29500	75	0	0	.	75	25035	30916	66237	35621
351-B	37	56	23756	24575	227	2	19	.	248	26805	5789	77620	70331
351-P	5	2	3600	2100	14	0	2	.	16	4300	1467	15200	13733
353	6	.	7410	8250	21	0	4	.	25	7492	8550	20700	12150
356	1	.	3000	2000	4	0	1	.	5	1800	12600	20000	7400
358-L	18	.	3575	2600	42	0	1	.	43	4125	2296	13067	10671
365	16	208	238500	168500	172	0	15	.	187	75864	62855	1425700	796845
376	3	.	2000	800	6	0	1	.	7	1700	5800	11000	5200
378-P	13	2	9450	9350	32	0	1	.	33	7828	7224	21300	14076
379-C	2	25	80000	25000	21	0	0	.	21	9800	48400	80000	31600
379-H	1	.	.	.	2	0	0	.	2	200	75	360	285
391	2	.	840	220	3	0	0	.	3	700	270	1390	1120
392	3	.	1100	200	5	1	0	.	6	1010	200	4900	2700
393	1	4	2500	500	1	1	4	.	6	1000	530	3300	2770
399-B	3	.	1550	1100	6	1	1	.	8	1950	6480	13650	7170
399-P	2	.	17000	13000	22	0	1	.	23	9900	9200	34000	24800
421-C	17	33	23900	28770	102	0	19	.	121	41406	61200	160875	99675
421-D	6	.	5110	4700	28	0	1	.	29	7450	11800	26700	14900
421-L	1	.	1200	400	16	0	0	.	16	5280	4600	10600	6000
421-P	2	4	12000	7000	17	0	3	.	20	7000	11000	25500	14500
574	1	.	60000	4600	9	0	0	.	9	3308	5924	19039	13115
862	2	.	1200	1100	3	0	1	.	4	950	900	2800	1900
893	8	.	7354	4150	15	2	1	.	18	3210	3998	14904	10906
896	112	.	27805	19540	160	2	11	.	173	25620	28805	92143	61088
899	2	.	530	500	4	0	1	.	5	450	375	1525	1150
	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
	986	3651	2114701	1797789	3868	490	340	58	4756	1190187	4273667	7677103	3373119

MIDDLESEX COUNTY: PORK PACKERS, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0010	E	MORREL & CO	PORK PACKING	EST 101-P	6000	STEAM	10	20	3000	94000	120000	26000
0010	A	CARSON & CO	PORK PACKING	HOU 101-P	40000	STEAM	12	34	5000	98000	119000	21000
0010	E	ROWLAND	FREDERI	PORK PACKING	EST 101-P	5750	STEAM	7	30	3100	90080	18000
0010	A	FERGUSON	J & CO	PORK FACTORY	101-P	30000	.	30	6000	76302	95980	19678
0010	A	JONES	WILLIAM	PORK PACKING	HOU 101-P	.	.	22	1500	50000	80000	30000
0007	F	DEWAN JAMES D	PORK PACKING	101-P	1200	.	.	8	1600	16000	20000	4000
0009	C-6	PARSONS JOHN	TALLOW REFINERY	101-T	50	.	.	1	200	2500	2800	300
					83000			29	145	426882	545860	118978

MIDDLESEX COUNTY: CHEESE FACTORIES, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0009	B-3	JOINT STOCK CO	CHEESE FACTORY	104	4000	STEAM	5	6	1400	22000	24000	2000
0009	A-4	CLINE & TOULEY ?	CHEESE FACTORY	104	2500	.	.	4	700	10000	12000	2000
0008	A-1	RICHARDSON LEWIS	CHEESE FACTORY	104	1200	.	.	3	400	5600	7600	2000
0009	C-2	NOBLE WILLIAM	CHEESE FACTORY	104	800	.	.	3	222	4800	6000	1200
0007	B	YORKE WILLIAM	CHEESE FACTORY	104	900	.	.	2	360	4680	5720	1040
0009	A-4	GRAM HENRY ?	CHEESE FACTORY	104	950	.	.	9	250	4250	5250	1000
0009	D-2	ADAMS JOHN	CHEESE FACTORY	104	600	.	.	2	250	3840	4800	960
0008	D-2	SCOTT JOHN W	CHEESE FACTORY	104	500	.	.	2	200	3580	4300	720
0008	D-1	JOHNSON DONALD	CHEESE FACTORY	104	1500	.	.	4	200	2880	3320	440
0008	D-3	ZAVITZ JAMES	CHEESE FACTORY	104	700	.	.	3	280	2487	3075	588
0009	B-3	GALLIVER HENRY	CHEESE FACTORY	104	800	.	.	3	.	1942	2427	485
0009	B-3	DUNDASS JOHN	CHEESE FACTORY	104	600	.	.	2	.	2000	2300	300
0009	B-3	AMOS JOHN	CHEESE FACTORY	104	1000	.	.	3	120	1677	2049	372
0008	D-1	SEATON DONALD	CHEESE FACTORY	104	450	.	.	5	40	1230	1644	414
0009	C-2	HUGHES PHILO	CHEESE FACTORY	104	2500	.	.	4	560	1400	1600	200
0008	D-2	CHARLTON WILLIAM	CHEESE FACTORY	104	500	.	.	1	250	1000	1430	430
0009	A-5	THOMCROFT WALTER	CHEESE FACTORY	104	1000	.	.	2	250	1231	1384	153
0009	C-2	MCQUEEN JOHN	CHEESE FACTORY	104	600	.	.	3	342	770	1210	440
0007	D-1	BENTLEY ROBERT	CHEESE FACTORY	104	2300	.	.	6	636	600	1200	600
0009	C-4	CORSANT H	CHEESE FACTORY	104	1800	.	.	2	156	700	1200	500
0008	C-1	CARMICHEL ALLAN	CHEESE FACTORY	104	300	.	.	4	180	650	990	340
0007	G-1	WEEKES THOMAS	CHEESE FACTORY	104	700	.	.	2	100	420	720	300
0009	A-4	WILSEY ISAAC	CHEESE FACTORY	104	300	.	.	4	100	585	715	130
0008	D-2	MCWEEN DONALD	CHEESE FACTORY	104	150	.	.	1	100	500	700	200
0009	C-2	SHOEBOTTOM GEORG	CHEESE FACTORY	104	400	.	.	2	240	440	700	260
0008	D-2	ATTWOOD ADOLPHUS	CHEESE FACTORY	104	200	.	.	1	100	450	600	150
0008	D-2	GRAHAM DUNCAN	CHEESE FACTORY	104	300	.	.	2	250	400	600	200
0008	D-2	MCLEAN DONALD	CHEESE FACTORY	104	200	.	.	1	100	450	600	150
0009	C-4	PLASHETT JOHN	CHEESE FACTORY	104	550	.	.	2	150	350	600	250
0009	C-2	PATRICK GEORGE	CHEESE FACTORY	104	400	.	.	2	125	445	550	150
0008	D-1	ALEXANDER GRAHAM	CHEESE FACTORY	104	350	.	.	9	.	480	549	104
0007	G-1	SCOTT JOBE	CHEESE FACTORY	104	650	.	.	2	185	294	520	226
0007	G-2	MINER JOHN & HEN	CHEESE FACTORY	104	200	.	.	0	170	.	480	.
0008	C-2	MCINTYRE MALCOLM	CHEESE FACTORY	104	600	.	.	0	.	.	.	.
0009	C-2	MCPHERSON JOHN	CHEESE FACTORY	104	250	.	.	1	.	.	.	.
					30750			5	104	82051	100833	18302

MIDDLESEX COUNTY: FLOUR MILLS BY VALUE OF OUTPUT, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0009	C-1	HILLIARD & SAWNB	GRIST/FLOUR MILL	105	25000	WATER	60	7	2064	162000	192000	30000
0009	C-6	PLEWES & CROW	FLOUR/GRIST MILL	105	6000	WATER	30	5	1200	130000	137772	7772
0010	B	PHILLIPS GEORGE	GRIST MILL	105	16000	WATER	.	8	3000	75000	91850	16850
0008	B-3		GRIST MILL	105	7000	STEAM	35	3	650	50000	60000	10000
0007	F	PINCOMB RICHARD	FLOUR/GRIST MILL	105	10000	W/S	50	6	1500	50000	53000	3000
0008	F-2	STANLEY DWIGHT &	GRIST MILL	105	10000	STEAM	40	4	1240	48000	53000	5000
0008	B-3	LAKE S & A	GRIST MILL	105	6000	STEAM	30	3	700	40000	42000	2000
0007	E-4	SIMMONS NELSON	GRIST MILL	105	3500	STEAM	17	2	600	30000	32500	2500
0008	A-2	IRVING J & G & CO	GRIST MILL	105	2000	STEAM	25	2	200	24000	25200	1200
0009	A-1	KENNY FREDERICK H	GRIST MILL	105	5000	WATER	36	1	350	15000	23950	8950
0008	F-1	MITCHELL ALEXANDE	GRIST/CARDING MI	105/189-W	4400	STEAM	26	6	1878	20000	22000	2000
0007	E-3	CANTHORPE JOSEPH	GRIST/FLOUR MILL	105	6000	WATER	25	2	600	14400	20000	5600
0009	D-1	BEATTIE JOHN	GRIST MILL	105	6500	WATER	30	2	600	17400	19600	2200
0009	C-5	TURVILLE GEORGE	FLOUR/GRIST MILL	105	10000	WATER	40	3	600	15000	16000	1000
0009	C-2	WAUGH ROBERT	GRIST MILL	105	3200	WATER	25	2	650	12000	13500	1500
0009	C-1	TURVILLE WILLIAM	GRIST MILL	105	3000	WATER	45	2	450	12000	13000	1000
0007	E-3	CLARK JOSEPH	GRIST MILL	105	3000	WATER	16	2	400	9000	12500	3500
0007	F	LEGALIE THOMAS	FLOUR/GRIST MILL	105	4000	STEAM	25	2	500	7500	11000	3500
0010	E	MUTHHEAD & GREY	DOMINION OAT MIL	105-O	3000	STEAM	16	2	500	10000	11000	1000
0007	D-2	SUTHERLAND J G	FLOUR/SAW/WOOLEN	105/251	20000	W/S	80	17	2500	45600	10000	-35600
0008	A-1	HOLTON HENRY	FLOUR/GRIST MILL	105	2000	STEAM	30	2	350	8000	10000	2000
0008	D-1	MURRY GEORGE	GRIST MILL	105	2500	WATER	20	2	250	7800	8477	677
0008	D-1	SHOTWELL BENJAMIN	GRIST MILL	105	4000	WATER	40	2	300	7200	8000	8000
0008	B-1	HENDRA JOHN	GRIST MILL	105	4000	STEAM	25	1	191	6250	7875	1625
0009	B-1	PARKER ALEXANDER	GRIST MILL	105	2500	WATER	12	3	551	6500	7560	1060
0009	B-3	WAIT NELSON	GRIST MILL	105	2500	WATER	20	1	400	.	7000	.
0008	E-2	RICE GILBERT	GRIST/SAW MILL	105/251	1000	WATER	.	1	.	6100	6870	770
0008	E-4	SLACK GEORGE	GRIST MILL	105	1300	WATER	8	1	.	3099	6000	2901
0007	C-1	STEINHOFF FINLEY	GRIST MILL	105	4000	STEAM	30	2	530	4500	5950	1450
0008	B-1	GUNDER GEORGE	GRIST MILL	105	2600	WATER	30	3	190	3750	5725	1975
0008	C-1	PARSON JOHN	GRIST MILL	105	3000	WATER	35	2	300	3750	5725	1975
0009	A-1	COOMBS CHARLES	GRIST MILL	105	4000	WATER	15	1	.	3700	4750	1050
0008	C-1	WELLING MATTHEW	GRIST MILL	105	3000	WATER	40	2	500	2400	3600	1200
0008	C-1	SHIPLEY L G	GRIST MILL	105	3000	WATER	25	1	200	2400	3600	1200
0007	B	ATCHISON EBENEZ	FLOUR/GRIST MILL	105	3000	STEAM	18	2	500	3000	3500	500
0008	C-1	MARSH WILLIAM	GRIST MILL	105	2000	WATER	30	1	200	2200	3200	1000
0008	D-2	CHARLTON JOSEPH	GRIST MILL	105	1200	WATER	8	1	300	2000	2500	500
0009	B-2	WILSON GEORGE	FLOUR/GRIST MILL	105	6000	WATER	.	3	500	1500	2500	1000
0008	C-1	WESTCOT JAMES	GRIST MILL	105	2000	WATER	20	1	100	1500	2000	500
0008	F-3	MURPHY MATTHEW	GRIST MILL	105	1500	STEAM	10	1	300	1500	1950	450
0009	C-4	HAWKINS JACOB	GRIST MILL	105	2000	WATER	20	1	144	1400	1864	464
0008	F-4	SAUL JOHN	GRIST MILL	105	3000	STEAM	25	1	300	15000	1850	-13150
0009	A-3	WILLOWS THOMAS	FLOUR MILL	105	2000	W/S	60	1	.	1500	1600	100
0009	B-2	PARTLON WILLIAM	GRIST/FLOUR MILL	105	.	WATER	.	2	350	1200	1500	300
0007	A-1	FERGUSON JOHN	GRIST MILL/CARDI	105/189-W	4000	WATER	36	2	460	.	1160	.
0007	G-2	HUTTY PETER	GRIST MILL	105	5000	WATER	.	2	450	.	1000	.
0007	B	HARPER WILLIAM	FLOUR/GRIST MILL	105	7000	STEAM	40	1	.	.	.	.
0008	D-2	LIDDLE JOSEPH	GRIST MILL	105	4000	WATER	30	1	500	.	.	.
0008	D-3	CUTLER ELLIS	GRIST MILL	105	1000	WATER	15	0
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236700										1293	125	28048
										883149	975628	83319

MIDDLESEX COUNTY: BAKERS AND CONFECTIONERS, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0010	D	MCCORMICK THOMAS	BISCUIT/CANDY	MF 107/108-C	16000	.	.	33	10000	299750	339875	40125
0010	B	PERRIN D S	CONFECTIONERY	108-C	3500	.	.	29	6000	33880	44500	10620
0010	B	WESTLAKE F	CONFECTIONERY	108-C	10000	STEAM	12	16	5500	28000	35000	7000
0010	D	FYSH HEWITT	BISCUIT/CANDY	MF 107/108-C	10000	.	.	9	2100	6550	15500	8950
0010	C-1	RANAHAN JOHN	BAKERY	107	2000	.	.	4	800	7800	12500	4700
0010	C-2	TRIMBLE GEORGE	BAKER SHOP	107	1000	.	.	4	900	8424	9828	1404
0010	A	FITZGIBBON JAMES	BAKERY	107	2000	.	.	1	300	5400	7500	2100
0010	B	DEAN WILLIAM	BAKERY	107	1000	.	.	2	500	6000	7150	1150
0010	C-2	JONES JOHN	BREAD BAKERY	107	1000	.	.	2	700	5000	6000	1000
0009	C-6	ALLISTER PETER	BAKERY	107	200	.	.	2	500	3420	4172	752
0007	F	FRANCIS GEORGE	BAKERY	107	600	.	.	2	650	2000	4000	2000
0007	F	BOND JOHN & BRO	BAKERY	107	400	.	.	2	500	1500	3000	1500
0008	E-1	EVANS J E	BAKERY	107	100	.	.	1	.	1975	2700	725
0010	B	PETERS GEORGE	CONFECTIONERY/BA	108-C/107	500	.	.	3	550	897	2500	1603
0010	C-1	RICHARDSON THOMAS	CONFECTIONERY	108-C	800	.	.	1	.	1410	2350	940
0010	C-1	MARCHANT JOSEPH F	BAKERY	107	200	.	.	1	.	1800	2110	310
0007	B	LOXLEY MRS CHAR	BAKE SHOP	107	50	.	.	1	.	1800	1920	120
0010	C-1	ELDRIDGE JOHN	BAKERY	107	500	.	.	3	300	1200	1800	600
0007	B	FRECKELTON DAVID	BAKERY	107	500	.	.	2	400	936	947	11
0008	F-2	.	BAKERY	107	40	.	.	1	120	1400	.	.
					50390				29820	419142	503352	85610

MIDDLESEX COUNTY: BEVERAGE MAKERS, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0010	F	CARLING WM & JO	BREWERY	109-B	50000	STEAM	10	20	6000	31500	55000	23500
0010	A	LABATT JOHN & CO	BREWERY/MALT HOU	109-B	25000	STEAM	8	14	4722	24300	39600	15300
0007	F	LARGE H & CO	BREWERY	109-B	5000	STEAM	8	3	1000	2775	4700	1925
0007	F	SNELL THOMAS	BREWERY	109-B	2000	STEAM	5	3	500	765	4200	3435
0010	C-1	KERNOHAN JAMES	SODA MANUFACTORY	109-S	1000	.	.	2	300	500	3600	3100
0010	A	HASTEAD DAVID	BREWERY	109-B	800	.	.	2	600	1250	3150	1900
0007	F	BANGHART & BEST	SODA WATER MF	109-S	850	.	.	5	250	1000	3000	2000
0010	C-1	BILTON BROS	SODA WATER	109-S	1500	.	.	2	1200	300	3000	2700
0009	C-6	ALLISTER JOHN	BREWERY	109-B	500	.	.	1	400	1138	2080	942
0010	B	WEBB WILLIAM	WINERY	109-W	1500	.	.	2	400	500	2000	1500
0010	B	HAMILTON JOHN	BREWERY	109-B	1000	HORSE	1	2	312	750	1750	1000
0009	C-5	CANTON EDWARD	DOMESTIC WINES	109-W	1000	.	.	1	400	400	1500	1100
					90150				16084	65178	123580	58402

MIDDLESEX COUNTY: TANNERIES BY OUTPUT, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0010	B	HYMAN	TANNERY	172	25000	STEAM	25	10	4500	28000	36000	8000
0010	B	ARSCOTT	TANNERY	172	3000	STEAM	25	7	2548	16000	32000	16000
0007	F	PINCOMB & POLLE	TANNERY	172	2000	STEAM	12	9	3500	10400	15000	4600
0010	B	HART RICHARD & CO	SHEEP SKIN FACTO	172	500		.	2	.	5000	13350	8350
0007	F	DECOW DANIEL & SO	TANNERY/HARNESS	172/179-S	5000	STEAM	10	10	2600	5500	10000	4500
0009	A-2	STEVENS RICHARD &	TANNERY	172	6000	STEAM	12	7	2500	1620	6880	5260
0008	B-3	STREETER HENRY	TANNERY	172	200	HORSE	1	2	165	250	550	300
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					41700		85	47	15813	66770	113780	47010

MIDDLESEX COUNTY: SADDLERS BY OUTPUT, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0010	A	DUNN	HARNESS	FCY/SADD	179-S	1000	.	6	1800	6000	11000	5000
0010	A	DARCH	HARNESS	FACTORY	179-S	1000	.	6	1800	2400	9000	6600
0010	A	DOYLE JOHN	HARNESS	FACTORY	179-S	3000	.	10	2500	4000	8000	4000
0007	A-2	MERRIT WILLIAM H	HARNESS	SHOP	179-S/179-T	300	.	5	600	1500	6200	4700
0010	C-1	STEVENSON JOHN	HARNESS/TRUNK FC	179-S/179-T	3000		.	4	1500	3000	6000	3000
0010	D	MCLAUGHERY/TACKAB	SADDLE/HARNESSMA	179-S	2000		.	8	1800	2000	5000	3000
0007	C-1	CAMPBELL JOHN	HARNESS	SHOP	179-S	3000	.	4	1550	2400	4300	1900
0007	F	LAMONT JOHN L	HARNESS	MANUFACT	179-S	50	.	4	1200	1500	4000	2500
0010	A	MOISSE WILLIAM	SADDLER	179-S	1000		.	1	400	300	3000	2700
0007	F	STEVENSON ALEX	HARNESS	FACTORY	179-S	300	.	3	800	1000	2500	1500
0010	C-2	O'MALLEY AUSTIN	COLLAR	SHOP	179-S	100	.	2	1000	2250	2250	0
0007	F	FADLIER THOMAS	HARNESS	FACTORY	179-S	400	.	2	500	900	2000	1100
0009	A-4	HULL SAMUEL	HARNESSMAKER	179-S	120		.	1	.	1000	1500	500
0009	C-1	SCARROW WILLIAM	HARNESS	SHOP	179-S	500	.	3	500	1000	1500	500
0007	C-1	JOULEY H BRUCE	HARNESS	SHOP	179-S	500	.	2	529	700	1400	700
0007	E-4	GOODWIN WILLIAM	HARNESS	SHOP	179-S	150	.	1	400	450	1300	850
0008	B-3	ADAMS & WATSON	HARNESS	SHOP	179-S	100	.	3	450	550	1300	750
0009	A-4	CAMPBELL JAMES	HARNESSMAKER	179-S	260		.	3	60	700	1200	500
0007	G-2	MOORE JAMES	HARNESSMAKER	179-S	100		.	1	.	400	1000	600
0008	B-3	O'BRIEN HENRY	HARNESS	SHOP	179-S	500	.	2	300	600	1000	400
0008	F-2	HICKS JOHN	HARNESSMAKER	SHO	179-S	60	.	1	.	256	1000	744
0008	F-3	DIXON HUGH	HARNESS	SHOP	179-S	40	.	1	320	500	1000	500
0007	B	REVINGTON DAVID ?	SADDLE	SHOP	179-S	800	.	2	380	150	900	750
0008	C-1	SHEPPARD WILLIAM	HARNESS	SHOP	179-S	200	.	2	300	480	900	420
0007	B	STEWART ALEXANDER	SADDLER	SHOP	179-S	200	.	2	300	100	750	650
0008	F-1	FITZGERALD GERALD	HARNESS	SHOP	179-S	100	.	2	300	620	700	80
0008	F-4	SWEET NATHAN	HARNESS	SHOP	179-S	100	.	2	400	.	700	.
0009	B-1	MITCHELL WILLIAM	HARNESS	MANUFACT	179-S	300	.	1	208	200	420	220
0008	D-1				179-S	100	.	1	.	160	350	190
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					19280		0	85	19897	35116	80170	44354

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0010	A	LONDON BOOT & SHO	BOOT/SHOE MF	174	12000	.	.	46	20000	40000	120000	80000
0010	C-1	MCPHERSON JOHN &	BOOTS/SHOES	174	25000	.	.	122	45000	72000	120000	48000
0010	D	MCMECHAN & CO	BOOT/SHOE FACTOR	174	25000	.	.	80	26000	29000	65000	36000
0010	B	BURRIDGE & CO	BOOT/SHOE MF	174	1000	.	.	12	2390	4000	12000	8000
0007	A-2	ADAIR ROBERT	SHOE SHOP	174	1000	.	.	10	2000	4000	10000	6000
0007	F	CAMERON & SON	BOOT/SHOE MF	174	1000	.	.	11	2600	6000	8000	2000
0010	C-1	DURAND WILLIAM	BOOTS/SHOES	174	1000	.	.	8	2000	2500	7500	5000
0007	F	WRIGHT JAMES	BOOT/SHOE FACTOR	174	500	.	.	7	3000	2000	6000	4000
0008	E-1	MCBRIDE MALCOLM	BOOT/SHOE MAKING	174	1000	.	.	6	1600	3000	5250	2250
0010	B	TAYLOR WILLIAM	BOOT/SHOEMAKER	174	3000	.	.	5	2000	2000	5200	3200
0007	B	YOUNG JOHN	BOOT/SHOE STORE	174	1000	.	.	4	800	1680	5000	3320
0007	C-1	FREEL GEORGE ?	SHOE SHOP	174	1000	.	.	4	1000	2500	4000	1500
0007	C-1	SPURR JOHN	BOOT/SHOE STORE	174	2000	.	.	4	1640	2000	4000	2000
0007	F	GERMAN GEORGE	BOOT/SHOE FACTOR	174	100	.	.	4	1200	1000	3000	2000
0010	D	BOOTH RICHARD	SHOEMAKER	174	700	.	.	3	1000	1000	3000	2000
0009	C-7	TILLMAN ANTHONY	SHOEMAKER SHOP	174	300	.	.	3	600	1030	2800	1770
0007	G-2	PEACOCK CHARLES	BOOT/SHOE FACTOR	174	200	.	.	3	500	1000	2500	1500
0008	B-3	McKINNON NEIL	SHOE SHOP	174	200	.	.	3	800	1500	2300	800
0008	D-1	RICHZ JAMES	SHOE SHOP	174	20	.	.	3	600	1580	2300	720
0010	C-1	REGAN DANIEL	BOOTS/SHOES	174	800	.	.	4	1500	800	2300	1500
0010	C-2	TUCKER JOHN	BOOT/SHOE STORE	174	300	.	.	2	600	1500	2100	600
0007	E-3	PAINE JOHN	BOOT/SHOE SHOP	174	500	.	.	2	400	1000	2000	1000
0007	G-2	PAINE BENJAMIN	BOOT/SHOE FACTOR	174	500	.	.	2	.	800	2000	1200
0008	C-1	ARMSTRONG ROBERT	SHOE SHOP	174	200	.	.	2	400	1300	2000	700
0008	F-1	JAMIESON JAMES	SHOE SHOP	174	100	.	.	3	600	700	2000	1300
0010	B	MARRS DAVID	BOOT/SHOEMAKER	174	200	.	.	2	600	1000	2000	1000
0009	C-2	NICHOL JOSHUA B	SHOEMAKER SHOP	174	200	.	.	2	700	1000	1925	925
0010	C-2	KENNEDY JEREMIA	SHOE SHOP	174	50	.	.	1	350	475	1825	1350
0007	F	CARSON SAMUEL	BOOT/SHOE FACTOR	174	100	.	.	2	400	700	1800	1100
0010	C-1	KIRKPATRICK ROBER	BOOTS/SHOES	174	600	.	.	4	1000	800	1800	1000
0007	D-2	BROWN WILLIAM	BOOT/SHOE SHOP	174	100	.	.	1	240	800	1664	864
0009	B-2	CHITICK FRANCIS	BOOT/SHOE FACTOR	174	300	.	.	2	450	1600	1600	0
0007	G-2	ROBERTSON CHARLES	BOOT/SHOE SHOP	174	200	.	.	1	70	700	1500	800
0009	A-4	CREAMER JAMES	SHOEMAKER SHOP	174	250	.	.	2	300	700	1500	800
0009	B-1	BIDDLECOMB CHARLE	BOOT/SHOE MF	174	200	.	.	3	600	500	1500	1000
0010	C-1	MCGURDY THOMAS	BOOTS/SHOES	174	400	.	.	1	300	400	1500	1100
0007	C-3	MALCOLM HENRY	SHOEMAKER SHOP	174	30	.	.	1	150	250	1450	1200
0008	F-2	CATHCART GEORGE	BOOT/SHOEMAKING	174	50	.	.	1	200	300	1400	1100
0008	F-3	QUIGLY DENNIS	SHOEMAKER SHOP	174	200	.	.	2	450	800	1400	600
0007	A-1	MATASHEAD GEORGE	BOOT/SHOE STORE	174	300	.	.	1	350	400	1200	800
0007	B	HEROLD THOMAS	BOOT/SHOE SHOP	174	100	.	.	2	600	600	1200	600
0007	E-4	SUTHERLAND JOHN	BOOT/SHOE SHOP	174	550	.	.	7	420	600	1200	600
0008	A-1	FRULE JAMES	BOOT/SHOE SHOP	174	300	.	.	3	350	800	1200	400
0008	C-1	MCKENZIE DONALD	SHOE SHOP	174	100	.	.	3	300	800	1200	400
0008	C-1	BROWN THOMAS	SHOE MAKING SHOP	174	300	.	.	2	150	800	1200	400
0008	F-3	BELL FRANCIS	SHOEMAKER SHOP	174	200	.	.	1	300	600	1200	600
0009	C-3	ZARDLER JOHN	SHOEMAKER SHOP	174	400	.	.	2	320	800	1200	400
0009	C-6	SHORT & SON	SHOEMAKER SHOP	174	250	.	.	2	600	100	1200	1100
0010	C-1	POCOCK JOHN J	BOOTS/SHOES	174	700	.	.	4	500	700	1200	500
0010	C-1	GUNN ROBERT	BOOT/SHOE SHOP	174	100	.	.	1	300	700	1100	400
0009	C-6	SLOCUM & SON	SHOEMAKER SHOP	174	.	.	.	2	700	90	1050	960

MIDDLESEX COUNTY: BOOT & SHOE MAKERS BY OUTPUT, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0007	E-2	RAYMOND FREDRICK	SHOEMAKER EST	174	50	.	.	2	.	500	1000	500
0009	D-1	HARRISON THOMAS	BOOT/SHOE SHOP	174	150	.	.	2	500	500	1000	500
0007	B	MUDFORD EDWARD	SHOE SHOP	174	60	.	.	1	.	.	960	.
0008	C-1	MCKEITH PETER	SHOE SHOP	174	80	.	.	2	250	600	900	300
0008	E-4	ARCOUT GEORGE	BOOT/SHOE SHOP	174	400	.	.	2	150	500	900	400
0009	B-2	WALLIS ISAAC	BOOT/SHOE FACTOR	174	500	.	.	1	350	200	900	700
0007	D-1	DICKLIN FREDRICK	SHOE SHOP	174	.	.	.	1	120	400	800	400
0007	G-2	LAWSON DAVID	BOOT/SHOE SHOP	174	50	.	.	1	.	350	800	450
0008	D-3	WALTERS JAMES	SHOEMAKER SHOP	174	50	.	.	0	.	400	800	400
0008	F-1	WHITE DAVID G	SHOE SHOP	174	50	.	.	1	300	350	800	450
0009	A-3	RICHMOND RICHARD	SHOE SHOP	174	50	.	.	1	.	400	800	400
0009	C-3	YOUNG ROBERT	SHOEMAKER SHOP	174	200	.	.	2	400	400	800	400
0009	D-1	KENNEDY JAMES	BOOT/SHOE SHOP	174	200	.	.	1	.	450	800	350
0009	D-2	JONES JOSEPH	SHOE SHOP	174	30	.	.	0	400	300	800	500
0007	A-2	MCVICAR ALEXANDER	SHOE SHOP	174	200	.	.	1	.	400	700	300
0007	D-2	KNAPTON CHARLES	BOOT/SHOE SHOP	174	150	.	.	1	100	200	700	500
0007	E-4	PRATT JOHN	BOOT/SHOE SHOP	174	50	.	.	1	300	350	700	350
0008	A-1	ABERNETHY JAMES	SHOE SHOP	174	300	.	.	2	300	400	700	300
0008	F-3	BUTLER PATRICK	SHOE SHOP	174	.	.	.	1	.	350	700	350
0010	E	CLARK ALEXAND	SHOE MAKING EST	174	200	.	.	2	200	500	700	200
0009	A-5	LAKIE ANDREW	SHOEMAKER SHOP	174	50	.	.	1	.	200	600	400
0009	C-3	LOVELESS WILLIAM	SHOEMAKER SHOP	174	200	.	.	1	300	300	600	300
0009	C-5	ENGLAND JOHN	SHOEMAKING	174	20	.	.	2	350	200	600	400
0009	A-4	KINDRER JOSHUA ?	BOOT/SHOEMAKER	174	50	.	.	1	.	260	520	260
0007	G-1	TRUSCOTT STUART	BOOT/SHOE SHOP	174	50	.	.	1	300	200	500	300
0008	A-1	WEST JOHN	SHOE SHOP	174	200	.	.	1	300	100	500	400
0008	B-2	CORBY JAMES	SHOEMAKER SHOP	174	200	.	.	1	200	200	500	300
0008	D-3	ROSSER JOHN	SHOEMAKER SHOP	174	100	.	.	1	.	250	500	250
0007	C-1	STEINHOFF JACOB	SHOE SHOP	174	100	.	.	1	200	150	400	250
0008	D-2	CAMPBELL ALEXANDE	SHOEMAKER SHOP	174	200	.	.	1	200	150	350	200
0009	B-3	MCLAUGHLIN JOHN	SHOE SHOP	174	10	.	.	1	150	114	350	236
0007	E-1	MERLETT JOSEPH	SHOEMAKER SHOP	174	50	.	.	1	200	70	300	230
0009	A-1	MARTIN WILLIAM	SHOEMAKER SHOP	174	60	.	.	1	.	100	300	200
0009	A-3	RIDDLE JOHN	SHOE SHOP	174	40	.	.	1	.	100	300	200
0009	A-5	MCBRIDE MALCOLM	SHOE SHOP	174	50	.	.	1	.	92	300	208
0009	A-5	GREGORY ELIJAH	SHOE SHOP	174	50	.	.	1	.	150	300	150
0008	D-3	MERRILS THOMAS	SHOEMAKER SHOP	174	30	.	.	1	.	150	250	100
0008	D-3	MCLEAN JAMES	SHOEMAKER SHOP	174	5	.	.	1	.	100	200	100
0008	D-3	SHOTWELL WILLIAM	SHOEMAKER SHOP	174	30	.	.	1	.	50	125	75
0008	E-1	JAMES JOSHUA	BOOT/SHOEMAKING	174	40	.	.	1	.	35	70	35
0007	C-3	DALTON JOHN	SHOEMAKER SHOP	174	60	.	.	1	.	15	50	35
0009	C-1	THOMPSON WILLIAM	SHOE SHOP	174	50	.	.	1
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					89015	0	456	134500	211441	461139	248738	

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0007	F	SCOON J A	STRATHROY WOOLEN	182	46000	STEAM	35	57	13000	54000	90000	36000
0009	C-1	WILSON B & H	WOOLEN FACTORY	182	10000	W/S	25	16	3000	7500	12000	4500
0009	A-1	GRIFFITH & BROS	WOOLEN FACTORY	182	6000	WATER	15	15	1200	6000	10000	4000
0008	D-1	YOUNG JAMES	CLOTH MANUFACTOR	182	3000	WATER	15	7	470	3600	7200	3600
0009	A-1	DAFTON & MCCALLUM	WOOLEN FACTORY	182	5000	WATER	12	10	1600	3000	6000	3000
0008	D-2	LAMBERT B & SON	WOOLEN MILL	182/189-W	1000	WATER	8	3	400	3000	5000	2000
0009	D-1	NEWMAN SAMUEL & S	CLOTH FCY/CARDIN	182/189-W	4000	WATER	15	6	800	750	1726	976
0008	F-2	FRIERS MARY ANN	WEAVING	182-W	50		.	1	.	1000	1500	500
0009	B-2	PEARSON THOMAS	CLOTH FACTORY	182	2500	WATER	.	1	300	260	1000	740
0008	E-1	ERSKINS JANE	WEAVING	182-W	42		.	1	.	400	750	350
0008	C-2	CAMPBELL WILLIAM	HANDLOOM	182-W	10		.	1	.	10	240	600
0008	F-1	LANGFORD JOSEPH	WEAVING SHOP	182-W	20		.	1	75	250	600	350
0009	D-1	CAMPBELL JOHN	WEAVING LOOM	182-W	40		.	2	.	372	460	88
0008	E-1	MCLELLAN CHRISTIA	WEAVING	182-W	10		.	1	.	80	450	370
0008	E-1	CAMERON MARY ANN	WEAVING	182-W	40		.	1	.	180	450	270
0008	C-2	ROSE ANN	WEAVING SHOP	182-W	18		.	1	.	200	400	200
0008	F-1	HARRIGAN CATHARIN	WEAVING SHOP	182-W	30		.	1	60	200	400	200
0008	B-3	MURRAY THOMAS S	WEAVING FACTORY	182-W	100		.	1	200	150	350	200
0008	E-1	ROBINSON SARAH	WEAVING	182-W	30		.	1	.	140	325	185
0007	C-2	MCCOLL SAMUEL	CLOTH MANUFACTOR	182-W	.		.	1	.	100	300	200
0007	C-3	MCMLLEN JOHN	WEAVER	182-W	20		.	1	.	175	300	125
0009	D-1	THOMPSON DAVID	WEAVING LOOM	182-W	30		.	1	.	214	268	54
0008	C-2	AUTO ADAM ?	WEAVING SHOP	182-W	4		.	1	.	180	250	70
0008	B-3	SMITH ANN	WEAVER	182-W	11		.	2	.	170	210	40
0008	B-3	SMITH MARY	HANDLOOM	182-W	10		.	1	.	110	180	70
0008	E-1	HANNAH MARY	WEAVING	182-W	30		.	1	.	90	180	90
0008	F-2	ATKINSON ELIZABET	WEAVING	182-W	32		.	1	.	75	170	95
0009	D-1	MCNEIL JOHN	WEAVING LOOM	182-W	35		.	1	.	.	158	.
0008	B-3	MCINTOSH MARY	HANDLOOM	182-W	10		.	1	.	100	150	50
0008	E-1	CAMPBELL LILLY	WEAVING	182-W	26		.	1	.	75	150	75
0008	F-2		WEAVING	182-W	22		.	1	.	50	150	100
0009	D-1	THOMPSON JAMES	WEAVING LOOM	182-W	10		.	1	.	123	150	27
0007	D-1	BICKNELL BENJAMIN	WEAVER SHOP	182-W	.		.	2	.	.	134	.
0008	B-3	WALKER ANN	HANDLOOM	182-W	12		.	1	.	.	130	.
0008	F-2		WEAVING	182-W	50		.	1	.	100	125	25
0009	A-1	ADAIR FRANCIS	WEAVER	182-W	10		.	1	50	75	125	50
0009	C-1	ALDER THOMAS	WEAVING SHOP	182-W	120		.	1	.	50	125	75
0008	C-2	MCKAY BETSY	WEAVING SHOP	182-W	5		.	1	.	60	120	60
0008	B-3	MCINTOSH MARY	WEAVER	182-W	10		.	1	.	.	100	.
0008	B-3	MCINTYRE CATHARIN	HANDLOOM	182-W	9		.	1	.	.	100	.
0008	E-1	BAKER MARIA	WEAVING	182-W	20		.	1	.	75	100	25
0008	F-2	RYAN KATE	WEAVING	182-W	30		.	1	.	88	100	12
0008	F-2	YOUNG ELIZA	WEAVING	182-W	29		.	1	.	85	100	15
0008	F-3	ANDERSON JAMES ?	WEAVING	182-W	15		.	1	.	.	80	.
0008	F-2	MEADS SARAH	WEAVING	182-W	35		.	1	.	.	75	.
0008	E-1	MCEWAN JOHN	WEAVING	182-W	25		.	1	.	20	70	50
0008	F-2	GRAY CATHERINE	WEAVING	182-W	30		.	1	.	40	60	20
0008	F-2	STANLEY ELLEN	WEAVING	182-W	20		.	1	.	47	60	13
0008	F-2	SCILLIA CHARLOTTE	WEAVING	182-W	40		.	1	.	23	40	17
0008	E-1	RUMOHS MRS M J ?	WEAVING	182-W	20		.	1	.	20	38	18
0008	F-2	HODGINS SARAH JAN	WEAVING	182-W	20		.	2	.	12	20	8
0008	F-2	RYAN CATHERINE AN	WEAVING	182-W	20		.	1	.	15	18	3
0008	F-3	O'MEARA MARGARET	WEAVING	182-W	30		.	1	.	.	.	.
					78680				125	21155	83494	59276
									158	143547		

MIDDLESEX COUNTY: CLOTHING BUSINESSES BY OUTPUT, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0010	D	BURNS	GEORGE	READY-MADE CLOTH	242	8000	.	46	12000	30000	40000	10000.
0010	B	BEATTIE	T & J	MILLINERY	249-M	10000	.	15	2680	20000	28000	8000
0010	A	GLEN	JAMES	TAILOR SHOP	242	4000	.	21	7500	20000	20000	18000
0010	B	DENTON	J M	TAILORING	242	600	.	12	5760	12000	20000	8000
0010	D	SPRY	ABRAHAM	TAILOR	243	3000	.	9	1500	2500	18000	15500
0010	B	GREEN CROFTS & CO	HOOPSKIRTS/MILLI	244/249-M	244	1000	.	27	4000	10000	17000	7000
0010	A	WALLACE	ROBERT	TAILORING EST	242	300	.	42	10000	8000	15000	7000
0010	B	PICKERING LETITIA	DRESSMAKING	245/244	245	1600	.	14	900	11000	13500	2500
0010	B	MCINTOSH A & J G	TAILORING	243	243	.	.	12	3700	8000	12700	4700
0010	B	SOUTHAM	LUCY	DRESSMAKING	245/244	45	.	6	500	8500	10000	1500
0010	B	HAY	JANET	MILLINERY/DRESSM	249-M/244	200	.	16	1152	7000	10000	3000
0010	D	BOYD	ROBERT	TAILOR/CLOTHIER	243	3000	.	12	3700	6000	10000	4000
0010	D	PEEL	THOMAS	TAILOR	243	5000	.	14	3000	5000	10000	5000
0010	B	BELTZ	EDMUND	HATTER/FURRIER	246	700	.	10	2400	3600	9000	5400
0010	A	MCCANN	PHILIP	HAT/FUR EST	246	3000	.	8	1000	4000	6000	2000
0010	B	SPRACHLIN ELIZA	DRESS/MANTLEMAKE	244	45	45	.	2	120	4780	5330	550
0010	C-1	DRANGER & MEYER	TAILORING SHOP	243	1000	1000	.	4	350	3000	5000	2000
0010	B	LENNOX	JAMES	TAILORING	243	800	.	6	1200	2500	4500	2000
0010	C-1	BALL	JOHN	TAILOR SHOP	243	200	.	1	.	800	4000	3200
0007	B	MCRAE	ALEXAND	CLOTHING MANUFAC	243	1500	.	2	800	2000	3800	1800
0008	B-3	MAYBURY T A	TAILOR/MILLINERY	242/249-M	242	100	.	9	800	2500	3700	1200
0010	B	NOADES MARY A	TAILORING	243	75	75	.	3	300	2000	3700	1700
0010	B	GORDON	JANE	DRESSMAKING	244	32	.	3	120	3000	3700	700
0007	F	MORRISON	PETER	TAILORING EST	242	500	.	7	800	1800	3500	1700
0010	B	YOUNG	REBECCA	MILLINERY	249-M	.	.	4	250	2100	3500	1400
0008	B-3	GIBBS JOHN	TAILOR SHOP	242	50	50	.	3	600	2500	3300	800
0010	C-1	YELLAND	EDMUND	TAILORING	243	600	.	1	.	1500	3200	1700
0007	F	MARSHALL JOHN	MERCHANT TAILOR	242	1000	1000	.	3	.	1500	3000	1500
0008	E-1	ATKINSON M K	TAILORING	242	1000	1000	.	5	700	2000	3000	1000
0008	F-2	TAYLOR WILLIAM	TAILOR SHOP	243	120	120	.	2	200	2950	3000	50
0010	B	PARKINSON THOMAS	TAILORING	243	60	60	.	2	140	2200	3000	800
0010	C-1	GOULD & JONES	TAILOR/CLOTHIER	242	500	500	.	2	350	1500	3000	1500
0010	C-1	GOLDNER JOSEPH	TAILOR SHOP	243	500	500	.	15	750	1000	3000	2000
0008	F-2	ELLWOOD WILLIAM	TAILOR SHOP	243	100	100	.	3	200	1500	2700	1200
0007	B	WARD	ELIZABE	DRESS MAKING SHO	244/249-M	500	.	3	250	.	2500	.
0010	B	WESTLAKE WILLIAM	HOOPSKIRT MF	244	1000	1000	.	3	500	1100	2500	1400
0007	C-1	LEITCH WILLIAM	TAILOR	243	150	150	.	2	400	1000	2184	1184
0007	F	BELL	RICHARD	TAILORING WORKS	242	100	.	4	700	2000	2000	1200
0010	B	CHINNERY MARY	DRESSMAKER/MILLI	244/245	244	100	.	4	50	1500	2000	500
0007	F	MCMARSHALL THOMAS	TAILORING EST	242	25	25	.	3	350	500	1800	1300
0010	B	MONTAGUE ADA	DRESSMAKING	244	80	80	.	4	156	1200	1800	600
0010	B	HERON JAMES	TAILORING	243	32	32	.	1	336	1200	1800	600
0010	B	CHARNOCK ELIZA	DRESSMAKING	245/244	245	200	.	1	100	1000	1750	750
0007	F	SUTHERLAND ROBERT	MERCHANT TAILOR	242	200	200	.	1	.	1000	1700	700
0007	B	MCCALVY	ROBERT	TAILOR SHOP	243	.	.	2	75	1300	1550	250
0007	F	PIKE	CHARLES	TAILORING EST	242	600	.	3	400	750	1500	750
0007	B	MCINTYRE ALEXAND	TAILOR SHOP	243	60	60	.	1	.	895	1404	509
0009	C-1	FRASER ANGUS	TAILOR SHOP	243	250	250	.	2	400	600	1248	648
0007	C-1	MCNEIL JOHN	TAILOR SHOP	243	1200	1200	.	5	650	600	1227	627
0008	B-3	MUNRO BROS	MILLINERY SHOP	244/249-M	243	50	.	2	200	850	1200	350
0009	C-5	COLMORGAN FREDERI	TAILORING	242	60	60	.	3	400	600	1050	450

MIDDLESEX COUNTY: CLOTHING BUSINESSES BY OUTPUT, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
O009	C-5	REDGE THOMAS	TAILORING	242	75	.	.	2	450	500	1050	550
O007	C-3	BRODIE MARGARET	MILLINERY SHOP	244/249-M	50	.	.	2	50	400	1000	600
O007	F	AULD MRS J	MILLINERY/DRESSM	244	100	.	.	7	300	350	1000	650
O009	A-4	HAWKINS GEORGE	TAILOR SHOP	242	100	.	.	1	300	700	1000	300
O010	B	SIMON MINA	DRESSMAKING	245/244	40	.	.	1	50	600	1000	400
O010	B	JAMES J	TAILOR SHOP	243	.	.	.	2	600	700	900	200
O010	B	LYONS ELIZABE	TAILORING	243	40	.	.	1	135	650	900	250
O009	B-2	HARDY JOHN	TAILOR	242	200	.	.	2	400	300	800	500
O009	A-4	MURDOCH ALEXANDER	TAILOR SHOP	242	60	.	.	1	.	500	750	250
O007	E-3	ROBERTSON WILLIAM	MERCHANT TAILOR	243	50	.	.	2	450	500	700	200
O009	A-4	MURRAY WILLIAM	TAILOR SHOP	242	150	.	.	1	.	500	700	200
O008	E-1	SHOFF MRS A E	MILLINERY/DRESSM	249-M/244	300	.	.	2	50	300	650	350
O008	E-1	MCINTOSH MRS WM	MILLINERY/DRESSM	244/249-M	.	.	.	2	.	300	600	300
O009	B-2	SIMSON JOHN D	TAILORING SHOP	242	.	.	.	1	250	250	600	350
O010	C-1	BEHILL MARGARE	LADIES OUTFITTING	244	400	.	.	7	450	400	600	200
O008	B-3	MCDONALD RONALD	TAILOR SHOP	242	65	.	.	2	120	250	500	250
O010	B	MCGIRDY MARGARE	DRESSMAKING	245/244	32	.	.	2	100	250	500	250
O010	C-2	WILSON SARA	DRESSMAKER	244	80	.	.	2	300	175	475	300
O007	E-3	MCRAY THOMAS	TAILOR SHOP	243	30	.	.	1	100	130	470	340
O007	B	WARD MRS SELOME	MILLINER SHOP	249-M	200	.	.	3	80	200	400	200
O007	E-3	COLLINS JOHN	TAILOR SHOP	243	40	.	.	1	170	125	350	225
O008	B-3	HOUSTON JOHN	TAILOR SHOP	242	150	.	.	1	.	250	350	100
O008	E-1	WEST SAMUEL	TAILORING EST	243	20	.	.	2	.	200	350	150
O007	C-3	BRODIE JAMES	TAILOR SHOP	243	7	.	.	1	.	200	260	60
O009	A-1	SADLER ROBERT	TAILOR SHOP	242	.	.	.	1	.	250	200	-50
O010	C-2	HOWARD MARY	MILLINERY SHOP	249-M	60	.	.	2	75	12	175	163
O010	C-2	HAWKINS SARA	MILLINERY SHOP	249-M	10	.	.	2	50	5	150	145
O007	B	CAMPBELL ARCHIBA	TAILOR SHOP	243	.	.	.	1	.	1	84	83
O008	D-3	GRAY ARCHIBALD	TAILOR SHOP	242	60	.	.	1
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					55353	0	441	76919	202623	352857	147734	

MIDDLESEX COUNTY: SAW MILLS BY OUTPUT, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0010	C-1	SMITH CHARLES	STAVE FACTORY	251	5000	STEAM	10	8	2500	60000	75000	15000
0007	D-1	MCMAHON JOHN	SAW MILL	251	2500	STEAM	25	6	1400	4200	42000	37800
0007	C-1	COULTHARD GEORGE	SAW/GRIST/CARDIN	251/105	6000	W/S	30	6	1800	24680	31590	6910
0007	E-4	MIDDLEMIP GEORGE	SAW/STAVE MILL	251	4300	STEAM	45	11	3300	9000	18000	9000
0007	F	HOCKEN WILLIAM	STAVE/HEADING FC	251	1000	STEAM	16	12	3500	8600	14300	5700
0008	B-3	HARRISON JOHN	STAVE FACTORY	251	3000	STEAM	16	8	2500	6000	11170	5170
0008	B-2	PROCTOR E M	SAW MILL	251	5400	STEAM	30	18	3000	7000	10000	3000
0008	E-5	CORBET JOHN	SAW MILL	251	9000	STEAM	35	15	2500	4000	8000	4000
0007	A-1	ROBINSON THOMAS	SAW MILL	251/251-S	6000	STEAM	20	11	3000	3000	7650	4650
0008	E-1	HANNAH JAMES	SAW MILL	251	3000	STEAM	25	10	1200	1500	7000	5500
0009	C-3	GRANT & ROSS	SAW MILL	251	3000	STEAM	22	4	600	6000	7000	1000
0008	B-3	PHIPPEN BROS	SAW MILL	251	5000	STEAM	30	7	3100	3000	6700	3700
0008	A-2	HARRIS ISAAC	PLANING MILL	251	1000	STEAM	8	2	500	5000	6500	1500
0008	E-5	ALLAN HENRY	SAW MILL	251	5000	STEAM	30	7	1200	2000	6000	4000
0008	E-5	DOOKER WILLIAM	SAW MILL	251	3000	STEAM	20	4	1000	3000	6000	3000
0008	B-1	HENDRA JOHN	SAW MILL	251	600	STEAM	25	2	384	5000	5400	400
0007	E-1	CLARK CHRISTOPHER	SAW/STAVE/HEADIN	251	3500	STEAM	35	5	720	2000	5000	3000
0007	A-1	WAIT A P	SAW MILL	251	4000	STEAM	25	6	2000	500	4600	4100
0007	E-3	HAWKINS JOSEPH	SAW MILL	251	1400	STEAM	14	10	2400	1000	4500	3500
0007	E-3	BATEMAN JOHN	STAVE FCY/SAW MI	251	3000	STEAM	15	5	504	2000	4250	2250
0007	G-2	GARNETT ROTHWELL	SAW/SHINGLE MILL	251/251-S	3000	STEAM	20	4	250	2500	3700	1200
0007	A-1	GOURD WALLACE	SAW MILL	251	1500	WATER	12	3	600	1200	3600	2400
0007	E-4	HOMISTER CHARLES	SAW MILL	251	1000	STEAM	10	3	600	2000	3200	1200
0008	C-2	NEFF J H	SAW MILL	251	1200	STEAM	16	2	207	2000	3200	1200
0008	B-2	ELLIOT JOHN	SAW MILL	251	7000	STEAM	20	6	336	1500	3000	1500
0008	C-1	WESTCOT JAMES	SAW MILL	251	2000	STEAM	20	1	.	3000	2950	-50
0009	B-2	COLLAR DAVID	SAW MILL	251	1000	STEAM	.	3	500	700	2500	1800
0008	A-2	IRVING J & G & CO	SAW MILL	251	2000	STEAM	25	3	400	1000	2200	1200
0007	D-1	SUTHERLAND DAVID	SAW MILL	251	3000	W/S	25	3	270	750	2000	1250
0009	B-2	PEARSON THOMAS	SAW MILL	251	2000	WATER	.	1	300	600	2000	1400
0009	A-1	BLINN CHANCY	SAW MILL	251	500	WATER	14	3	80	300	1750	1450
0007	C-2	BLACK D & MILLER	STAVE FACTORY	251/251-S	1100	STEAM	16	10	690	700	1600	900
0007	C-2	BUCHANAN JAMES	STAVE FACTORY	251	1200	STEAM	20	10	600	700	1600	900
0008	D-1	ZIMMERMAN JOHN	SAW MILL	251	1500	STEAM	30	4	400	400	1600	1200
0008	D-3	MARSH JACOB	SAW MILL	251	1000	WATER	20	3	400	750	1600	850
0007	G-2	SEABROOK ARTHUR	STAVE FACTORY	251	1000	STEAM	25	7	250	650	1275	625
0007	C-3	HOMISTER FREDERIC	SAW MILL	251	1400	STEAM	18	3	125	125	1000	875
0008	A-1	HOLTON HENRY	SAW MILL	251	1000	STEAM	30	1	156	375	750	375
0008	C-1	PARSON JOHN	SAW MILL	251	1000	WATER	20	1	100	400	600	200
0007	A-2	MITCHELL DUNCAN	SAW MILL	251	600	.	.	1	200	200	500	300
0007	G-2	CHRISTIAN WILLIAM	SAW MILL	251	400	WATER	.	1	.	.	400	.
0007	E-1	FRANK JOHN	SAW MILL	251	1000	WATER	15	1	240	75	200	125
0008	D-3	CUTLER ELLIS	SAW MILL	251	200	WATER	15	2	50	113	200	87
0008	D-1	WOODHULL CHARLES	SAW MILL	251	400	WATER	20	1	.	80	160	80
0007	G-2	BATEMAN THOMAS	SAW MILL	251	2000	WATER	.	1	.	.	30	.
0008	B-3	CAMPBELL ARCHIBAL	PLANING MILL	251	2000	STEAM	15	3
0009	B-3	WAIT NELSON	SAW MILL	251	2500	WATER	20	2	200	.	.	.
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117200										177598	322275	144247
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							902	240	44062	177598	322275	144247

MIDDLESEX COUNTY: COOPERAGES BY OUTPUT, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0010	C-2	SMITH CHARLES	BARREL FACTORY	259-C	15000		.	41	18720	96000	122000	26000
0010	E	HAWKINS WILLIAM	COOPERAGE	259-C	5000	STEAM	16	40	18000	17500	50000	32500
0010	E	NESBITT IRWIN	COOPERAGE	259-C	5000		.	26	7200	4500	20000	15500
0010	A	COUSINS & CO	COOPERAGE	259-C	4000		.	15	6000	9600	19750	10150
0009	C-6	MILBURN & CO	BARREL FACTORY	259-C	2500	STEAM	35	10	3500	6000	17000	11000
0010	A	SEALE JAMES	COOPER SHOP	259-C	4000	STEAM	20	30	10000	2400	15000	12600
0007	E-3	MILLS CHARLES J	BARREL FACTORY	259-C	1000		.	20	8000	3500	12000	8500
0007	F	HARVEY JAMES	COOPERAGE	259-C	500		.	5	2000	1000	4000	3000
0010	E	STEIN H & S	COOPERAGE	259-C	300		.	7	2000	1000	3000	2000
0009	C-3	CUNNINGHAM JAMES	COOPER SHOP	259-C	1000		.	4	700	800	2500	1700
0008	F-3	GIBSON THOMAS	COOPER SHOP	259-C	200		.	2	300	400	2240	1840
0010	B	BRAGG FREDERI	COOPER SHOP	259-C	100		.	3	1152	600	2000	1400
0009	A-5	SAMPLE & MORDEN	COOPERAGE	259-C	200		.	1	400	500	1900	1400
0009	C-6	ALLISTER JOHN	COOPER	259-C	150		.	2	650	500	1600	1100
0010	A	SMITH JAMES	COOPERAGE	259-C	200		.	2	300	250	1600	1350
0010	C-2	MCINNIS HECTOR	BARREL FACTORY	259-C	150		.	2	700	360	1350	990
0009	C-6	HYATT & HOWE	COOPER SHOP	259-C	.		.	2	600	276	1248	972
0007	F	DUBOIS	COOPERAGE	259-C	400		.	3	100	400	1000	600
0007	G-2	SANAGAN LEWIS S	COOPER SHOP	259-C	200		.	2	450	108	1000	892
0009	C-5	MURPHY THOMAS	COOPER	259-C	150		.	1	350	400	900	500
0009	A-1	SMITH JOHN J	COOPER SHOP	259-C	50		.	2	.	445	800	355
0007	E-2	WHEATLEY ROBERT	COOPERAGE	259-C	100		.	1	.	200	700	500
0007	C-2	GIBBS JOHN	COOPER SHOP	259-C	150		.	1	300	100	450	350
0008	D-1	SMITH ALEXANDER	COOPER SHOP	259-C	50		.	2	112	90	355	265
0007	B	JACKSON JAMES	COOPER SHOP	259-C	20		.	1	.	.	300	.
0007	C-3	ROBERTS GEORGE	COOPER SHOP	259-C	40		.	1	.	50	300	250
0008	B-3	BRADLEY JAMES	COOPER SHOP	259-C	40		.	1	.	25	200	175
0008	F-1	JAMES WILLIAM	COOPER SHOP	259-C	40		.	1	100	50	200	150
0009	B-1	FORDYEE WILLIAM	COOPER SHOP	259-C	100		.	1	100	10	132	122
0008	D-2	FERGUSON JOHN	COOPER SHOP	259-C	100		.	1	.	20	120	100
0007	G-2	YOUNG GEORGE	COOPER SHOP	259-C	40		.	1	.	.	40	.
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					40780				81734	147084	283685	136261
									71	231		

MIDDLESEX COUNTY: PLANING MILLS BY OUTPUT, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0010	D	WRIGHT & GREEN	SASH/DOOR FACTOR	254	10000	STEAM	16	45	15500	10000	40000	30000
0010	C-1	THOMAS BROS	SASH/DOOR/BLIND	254	15000	STEAM	25	31	12000	6000	32000	26000
0007	F	FAWCITT	PLANING/DOOR/SAS	254	8000	STEAM	18	22	5000	16000	25000	9000
0007	F	MEEK & CO	SAW M/DOOR/SASH	254	5000	STEAM	25	22	7000	4000	20000	16000
0010	E	HOSKINS	CARPENTER/JOINER	254	1600		.	15	6552	4000	12000	8000
0007	F	O'BYRNE	SASH/DOOR/BLIND	254	1000		.	12	4000	5000	10000	5000
0007	A-1	WOOD J E	SASH/DOOR FACTOR	254	4000	WATER	12	3	600	800	2500	1700
0008	B-3	PHIPPEN	SASH/DOOR/TURNIN	254/261	.		.	3	400	940	1360	420
0010	B	DOVE	CARPENTER SHOP	254/266	218		.	1	350	300	700	400
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					44818		96	154	51402	47040	143560	96520

MIDDLESEX COUNTY: BUILDING CONTRACTORS BY OUTPUT, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0010	A	BROADBENT & CO	CARPENTER SHOP	421-C	5000	STEAM	25	40	15000	21000	45000	24000
0007	C-1	SMYTH GEORGE	CARPENTER SHOP	421-C	1400		.	3	800	2000	24000	22000
0010	E	DENHAM	CARPENTER/BUILD	421-C	3000		.	12	4000	3000	20000	17000
0010	B	WHITEHEAD BENJAMJ	CARPENTER/JOINER	421-C	1000		.	15	7020	9000	17000	8000
0010	B	ROGERS EDWARD	PLUMBING/GAS FIT	421-P	4000		.	7	2500	10000	13500	3500
0010	A	WASTIE THOMAS	PAINT SHOP	421-D	2000		.	10	2500	7000	12000	5000
0010	B	STEWART JAMES	CARPENTER SHOP	421-C	.		.	7	2000	8000	12000	4000
0010	C-1	LAW JOHN	PLUMBER/GASFITTE	421-P/297	8000	STEAM	4	13	4500	1000	12000	11000
0010	B	SMITH JAMES	PLASTER/STUCCO W	421-L	1200		.	16	5280	4600	10600	6000
0010	B	GRANT ANGUS	CARPENTER SHOP	421-C	6000		.	5	2250	5150	8500	3350
0010	B	HARVEY T & A	CARPENTER/BUILD	421-C	1200	STEAM	6	6	2592	1500	8000	6500
0007	F	JELL & FRANK	ROOF PAINTING ES	421-D	100		.	6	1000	2000	5500	3500
0008	D-1	STEEL DANIEL	CARPENTER SHOP	421-C	700		.	5	900	3500	5500	2000
0010	B	HARWOOD THOMAS	CARPENTER SHOP	421-C	1400		.	6	1280	1800	4500	2700
0010	B	SLATER E K	PAINT SHOP	421-D	1000		.	7	2400	1000	4000	3000
0010	B	HULL GEORGE	CARPENTER SHOP	421-C	200		.	2	864	1500	4000	2500
0008	E-1	MCINTOSH WILLIAM	BUILDER SHOP	421-C	2500	HORSE	2	6	2500	1750	3675	1925
0010	B	BONSER ALEXAND	PAINTER/GLAZIER	421-D/421-G	2000		.	2	900	1200	3000	1800
0010	D	MURRAY ALEXAND	BUILDER	421-C	1000		.	4	1500	800	3000	2200
0007	E-2	WADSWORTH THOMAS	CARPENTER/BUILD	421-C	150		.	4	.	750	1500	750
0007	E-2	ADAIR PHILIP	CARPENTER SHOP	421-C	100		.	2	400	400	1500	1100
0007	E-2	MALCOLM WALLACE	CARPENTER SHOP	421-C	75		.	2	300	350	1200	850
0009	B-2	MOHR WILLIAM ?	PAINT SHOP	421-D	10		.	2	350	200	1100	900
0010	B	MINTON THOMAS	PAINT SHOP	421-D	.		.	1	300	400	1100	700
0007	E-2	ADAIR ABRAHAM	CARPENTER SHOP	421-C	75		.	1	.	300	900	600
0007	E-2	HAGAR ADAM	CARPENTER SHOP	421-C	100		.	1	.	400	600	200
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					42210		37	186	61136	88600	223675	135075

MIDDLESEX COUNTY: FURNITURE MAKERS BY OUTPUT, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0010	C-1	MOORHEAD GEORGE	CABINET MANUFACT	261	100000	STEAM	10	68	30000	40000	150000	110000
0010	C-1	FERGUSON JOHN	FURNITURE/UPHOLS	261	7000	STEAM	12	23	18000	9450	50000	40550
0008	F-3	GOODACRE ALBERT	CABINET/TURNING	261/258	300	STEAM	12	6	1300	1200	35000	33800
0007	F	EAKINS SAMUEL	CABINET FACTORY	261	100000	STEAM	16	15	4000	5000	15000	10000
0010	C-1	BENNETT CHARLES	CABINET MANUFACT	261	2000		.	9	2550	225	5000	4775
0007	F	HARRISON FREDERIC	CABINET FACTORY	261/258	400		.	2	700	300	4000	3700
0010	A	COMBS HENRY	CABINET FACTORY	261	5000		.	7	2500	900	2400	1500
0008	F-2	DROUGHT JOHN	CABINET FACTORY	261	300		.	4	1000	140	1600	1460
0007	B	WARD JOHN	CABINET FACTORY	261	1000	WATER	10	3	150	200	1500	1300
0007	F	HILL ROBERT	CABINET FACTORY	261/258	500		.	2	400	250	1400	1150
0007	A-1	THORBURN THOMAS	CABINET SHOP	261	200		.	1	.	156	1100	944
0007	C-2	HOLMES THOMAS	CABINET SHOP	261	300		.	2	360	120	1000	880
0007	E-4	COCKLE HORACE	CARPENTER SHOP	261	550		.	4	390	400	1000	600
0008	F-2	WILLIAM HOWARD	CABINET FACTORY	261	300		.	3	.	266	800	534
0009	B-2	HUSE JACOB	CABINET FACTORY	261	100		.	1	200	200	800	600
0008	E-1	SHERWINS WILLIAM	CABINETRY/UPHOLS	261	200		.	2	100	280	700	420
0008	F-2	JONES FRANCIS	CABINET FACTORY	261	300		.	2	240	240	700	460
0007	B	RIELLY FRANCIS	CABINET/JOINER	261	500	HORSE	1	2	.	100	600	500
0007	D-2	COOKE GEORGE	CABINET FACTORY	261	175	HORSE	1	1	375	100	600	500
0007	D-1	JACKSON THOMAS	JOINER SHOP	261	200	STEAM	4	1	.	60	510	450
0008	B-3	MCPHEE DONALD	CABINET SHOP	261	80		.	1	.	55	500	445
0007	D-2	CLARKE ADAM	CABINETMAKING	261	500		.	2	30	65	400	335
0007	B	SHAW JAMES	CABINET SHOP	261	250		.	1	.	50	300	250
0007	B	SHAW JAMES	CABINET SHOP	261/258	25		.	1	.	30	300	270
0008	B-3	MCLELLAN DAVID	CABINET FACTORY	261	100		.	1	.	150	300	150
0010	C-1	MULLIN JOHN	CABINETMAKING	261	300		.	1	.	40	300	260
0007	C-1	DUIT ERASTUS ?	CABINET SHOP	261	300		.	2	210	30	200	170
0008	D-3	MARSH JOHN	CABINET SHOP	261	400	WATER	2	1	.	100	200	100
0007	G-2	MALLOCK JOHN	CABINETMAKER	261	200		.	1	.	17	100	83
0008	C-1	WESTCOT JAMES	CABINET FACTORY	261	120		.	1	250	.	.	.
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					131600				62755	60124	276310	216186
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									68	170		
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MIDDLESEX COUNTY: TINSMITHS BY OUTPUT, 1871

CDID	CED	PROPRIOR	TYPEPST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0010	D	STEWART SAMUEL	TINSMITH	304-T	4000		.	6	2500	7000	15000	8000
0010	D	MILLAR J & T	TINSMITH	304-T	5000		.	7	2000	10000	15000	5000
0010	D	EDDLESTON G	TINSMITH	304-T	700		.	3	1200	7000	10000	3000
0010	C-1	DYSON WILLIAM	TIN/COPPERSMITH	304-T	3000		.	7	1764	4000	7850	3850
0007	B	STEVELY WILLIAM	TIN/HARDWARE STO	304-T	4000		.	5	1200	3000	6000	3000
0008	F-2	COLLINS HENRY	TIN SHOP	304-T	200		.	2	400	2000	4000	2000
0010	B	EDWARDS JOHN	TINSMITH	304-T	1000		.	3	936	1500	3000	1500
0010	C-1	MCCRIDE S A	TINWARE	304-T	8000		.	5	1550	240	2400	2160
0007	F	CRISPIN THOMAS	TIN/COPPER/IRON	304-T	500		.	2	300	900	1800	900
0009	B-2	POTTS JOSEPH	TIN SHOP	304-T	200		.	2	400	200	1200	1000
0008	B-3	COOK G F	TIN SHOP	304-T	200		.	1	.	.	1100	.
0009	C-6	WRIGHT JOHN W	TIN SHOP	304-T	150		.	2	400	426	1100	674
0009	C-1	STEVENSON THOMAS	TIN SHOP	304-T	400		.	2	300	400	1000	600
0008	B-3	ENGLISH JOHN	TIN SHOP	304-T	150		.	2	300	250	700	450
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					27500	0		49	13250	36916	70150	32134

MIDDLESEX COUNTY: MACHINERY MAKERS BY OUTPUT, 1871

CDID	CED	PROPRIOR	TYPEPST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0010	C-2	ELLIOTT JOHN	AGRC IMPLEMENT M	311	12000	STEAM	12	34	16000	6500	56000	49500
0010	E	LEONARD ELIJAH	FOUNDRY/GRIST MI	311/301	40000	STEAM	40	25	6000	14650	31000	16350
0010	B	STEWART BRUCE & C	CITY AGRC WORKS	311	13000	STEAM	14	25	7000	3000	27000	24000
0007	F	ELLIOTT JOHN & CO	FOUNDRY/AGRC WOR	311	6000	STEAM	16	20	7500	7000	26000	19000
0008	F-3	JACKSON JOHN	FOUNDRY/MACHINE	311	15000	STEAM	12	21	7000	6500	20000	13500
0010	E	CAWFORF/ROBINSON	IRON FOUNDRY	311	15000	STEAM	20	22	5000	6000	20000	14000
0010	A	COUSINS JAMES	PUMP/FANNING MIL	315-P/311	5000	STEAM	25	14	5000	1750	13500	11750
0007	F	JACKSON & CLARY	AGRC WORKS/FOUND	311/294	5000	STEAM	10	8	3750	3000	8750	5750
0010	B	GRAY GEORGE	PLOUGH FCY/FOUND	311	5000	STEAM	2	6	2160	2494	7200	4706
0010	C-1	GREEN HENRY	PUMP FACTORY	315-P	1000	STEAM	2	8	3000	900	7000	6100
0007	B	HENDERSON & CAMPB	FOUNDRY	311/294	6000	STEAM	10	7	350	4725	6000	1275
0008	F-3	CALLOWAY & MASON	IRON FOUNDRY/AG	311	2000	STEAM	15	5	2000	1110	5400	4290
0008	B-3	BAIRD JUGH C	FOUNDRY/MACHINE	311	6000	STEAM	10	8	2200	1500	4550	3050
0009	B-3	GLENNING ELIJA	SPINNING WHEEL F	315-H	200	HORSE	1	2	400	50	2800	2750
0007	C-1	TAYLOR JOHN	PLOUGH FACTORY	311	500			2	500	1872	2740	868
0010	B		PUMPMAKER	315-P	300			2	500	500	1700	1200
0010	C-1	DAVID	BLACKSMITH SHOP	311	200			3	350	60	1700	1640
0007	E-3	GRAVES ALBERT	WHEEL/CABINET FC	315-H/261	1000	STEAM	8	3	1100	100	1100	1000
0008	B-3	MCINNIS DOUGALD	BLACKSMITH FORGE	311	400			2	600	200	1100	900
0008	E-4	JUDGE JOHN	BLACKSMITH SHOP	311	225			2	125	380	1000	620
0009	C-1	STEELE DUKE	PUMP FACTORY	315-P	400			1	400	275	1000	725
0010	C-1	HOBBS WILLIAM	MACHINIST/BRASS	315	500			1	450	500	1000	500
0008	F-3	ROBBINS ORLANDO	PUMP FACTORY	315-P	400	HORSE	1	1	450	185	900	715
0009	C-2	ALEXANDER CHARLES	IMPLEMENTS/CARRI	311/329	400	HORSE	1	2	600	135	900	765
0008	B-3	BAIRD WILLIAM	PUMP FACTORY	315-P	250	HORSE	2	2	300	30	850	820
0009	A-4	WRIGHT JAMES	BLACKSMITH SHOP	311/896	400			1	450	200	800	600
0010	E	QUICK JAMES	PUMP MAKING EST	315-P	150	HORSE	1	2	400	50	750	700
0009	B-3	GLENNING WILLI	SPINNING WHEEL F	315-H	500	WATER	1	2	300	150	700	550
0009	A-1	CLEVELAND JOHN D	PUMP FACTORY	315-P	200			1	300	180	600	420
0009	B-2	MCPHERSON HIRAM	PUMP FACTORY	315-P	100			3	250	50	600	550
0010	C-2	WESTON AMOS	PUMP FACTORY	315-P	200	HORSE	1	2	350	225	575	350
0007	D-1	BRENELL JOHN	PUMP FACTORY	315-P	250	HORSE	1	1	150	40	300	260
0007	G-2	PATRICK JOSIAH	RAKE FACTORY	311/315	500			1	124	50	260	210
0009	A-4	BIGG ALEXANDER	CARPENTER SHOP	311/329	2000	STEAM	12	1	30	100	200	100
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					140075			215	240	75089	253975	189514

MIDDLESEX COUNTY: CARRIAGE MAKERS BY OUTPUT, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0010	A	CAMPBELL JOHN	CARRIAGE FACTORY	329	5000		.	34	5000	12300	30000	17700
0010	C-1	THOMPSON WILLIAM	CARRIAGE SHOP	329	6000		.	23	8000	6400	22000	15600
0007	F	VANSTADEN & CO	SPOKE/HUB FACTOR	329-P	7000	STEAM	16	20	7000	10000	20000	10000
0010	B	PLUMMER & PACY	WAGON/HUB/SPOKE	329	10000	STEAM	20	20	6000	8220	19660	11440
0010	B	HODGINS & MORAN	CARRIAGE/WAGON F	329	2000		.	20	5000	6000	18000	12000
0010	C-1	ROE & JUDD	CARRIAGE FACTORY	329-P/329	6000		.	13	6500	9450	17500	8050
0010	D	ABBOTT & BROS	CARRIAGE FACTORY	329	9500		.	17	5000	3018	14000	10982
0010	C-1	PAVEY & BROS	CARRIAGE SHOP	329	6000		.	17	3120	3840	12450	8610
0007	F	MCBRIDE JOHN	CARRIAGE FACTORY	329	1700		.	18	4000	4000	10000	6000
0007	F	LAULER JOHN D & S	CARRIAGE FACTORY	329	4000		.	13	3000	3500	10000	6000
0010	B	MCKELLAR JOHN M	CARRIAGE FACTORY	329	8000		.	15	3600	4000	10000	6000
0009	A-1	HEARD JOHN	WAGON FACTORY	329-P	5000		.	15	5100	2086	8550	6464
0007	F	REID JOHN	CARRIAGE FACTORY	329	700		.	4	1800	5000	8000	3000
0007	F	AIKENS JOHN	CARRIAGE FACTORY	329	1000		.	10	2000	2000	6000	4000
0010	B	TURNER S & J	CARRIAGE/WAGON F	329	700		.	11	3442	2000	6000	4000
0010	A	BRUMMIT REUBEN	CARRIAGE SPRING	329-P	1000		.	2	800	3500	5000	1500
0007	F	MCGARVEY JOHN	CARRIAGE FACTORY	329	800		.	8	1800	1800	4400	2600
0010	C-1	DART ROGER	CARRIAGE FACTORY	329	3000		.	10	2250	1310	4400	3090
0007	B	LILLEY EDWARD	CARRIAGES/BLACKS	329	2000		.	4	1500	.	3600	.
0007	B	CORNEIL ADAM	CARRIAGE/WAGON F	329	1000		.	7	800	300	3000	2700
0007	F	MILNER WILLIAM	BENDING FACTORY	329-P/259-W	1500	STEAM	5	2	800	1500	3000	1500
0008	E-1	BAKER SIMS	BLACKSMITHING	329-P	200		.	3	735	90	3000	2910
0010	C-1	HUNT ELISHA	SPRING FACTORY	329-P	400		.	3	500	1260	2912	1652
0007	G-2	VANDERVEER DAVID	BLACKSMITH/WAGON	329	500	HORSE	2	6	1520	1200	2900	1700
0010	B	MORRISON T & J	BLACKSMITH/WAGON	329/896	3000		.	4	550	800	2900	2100
0010	C-1	PLATT WILLIAM	CARRIAGE FACTORY	329	600		.	6	2000	900	2800	1900
0007	C-1	MCRAE DONALD B	WAGON/BLACKSMITH	329	1300		.	4	1140	1200	2700	1500
0008	B-3	HAWKEY JOHN	CARRIAGE SHOP	329	1000		.	5	1000	500	2500	2000
0008	E-1	BAKER SIMS	WAGON/CARRIAGE F	329	500		.	3	1230	500	2355	1855
0008	F-2	RICE LOREN	CARRIAGE FACTORY	329	200		.	1	.	270	2210	1940
0008	E-1	MUNRO ANGUS	BUILDING SHOP	329/421-C	800		.	5	500	668	2200	1532
0007	B	INGLISH THOMAS	CARRIAGE/WAGON F	329	700		.	4	676	474	2000	1526
0008	F-4	HODGINS MOSES	BLACKSMITH FORGE	329	1000		.	2	316	.	2000	.
0009	B-2	SLEETH ROBERT	BLACKSMITH/CARRI	329	500		.	2	500	1000	2000	1000
0009	C-5	DREANEY HENRY	BLACKSMITH/WAGON	329/896	300		.	2	900	500	2000	1500
0009	C-6	EFNER A	CARRIAGE/BENDING	329-P	1200	STEAM	6	5	1200	600	2000	1400
0009	B-2	ATHERTON ALBERT	CARRIAGE FACTORY	329	300		.	3	490	400	1600	1200
0009	D-2	LACKIE JOHN	BLACKSMITH FORGE	329/311	100		.	2	410	900	1600	700
0007	E-2	GAMBLE JAMES	CARRIAGE FACTORY	329	200		.	2	400	500	1500	1000
0008	E-1	LIVINGSTON JOHN	WAGON/CARRIAGE E	329	1500		.	3	300	400	1460	1060
0009	A-4	MCTAGGART & GREEC	CARRIAGES/BLACKS	329/896	350		.	2	600	600	1400	800
0008	A-2	RICHARDSON BENJAM	BLACKSMITH SHOP	329-P	1000		.	3	600	250	1300	1050
0008	A-1	HUDSON & PARKER	WAGON SHOP	329	200		.	1	200	700	1200	500
0009	A-4	SIMEON DUNCAN	CARRIAGE MANUFAC	329	800		.	2	400	400	1200	800
0009	D-2	MORDEN ANDREW	BLACKSMITH FORGE	329/311	500		.	1	492	600	1200	600
0010	G	HOWARD THOMAS	WAGONS/BLACKSMIT	329	1000		.	4	800	660	1200	540
0009	C-4	CLARK JAMES	BLACKSMITH SHOP	329-P	200		.	0	400	500	1075	575
0007	B	HUMPHREY STEPHEN	WAGON/CARRIAGE F	329	.		.	2	400	300	1000	700
0007	G-1	ADAMS WILLIAM	WAGON SHOP	329	500		.	1	500	36	1000	964
0008	C-1	SHAFF WILLIAM	WAGON SHOP	329	200		.	1	300	200	1000	800
0008	C-1	SHAFF WILLIAM	BLACKSMITH FORGE	329-P	200		.	3	300	480	1000	520

MIDDLESEX COUNTY: CARRIAGE MAKERS BY OUTPUT, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0008	E-5		WAGONMAKER SHOP	329/311	100		.	1	400	150	1000	850
0009	B-2	CRAIG WILLIAM	CARRIAGE FACTORY	329	.		.	2	230	40	1000	960
0009	C-1	GRAHAM DONALD	BLACKSMITH SHOP	329/311	400		.	2	300	323	1000	677
0008	E-1	JAMIESON ALEXANDE	BLACKSMITH SHOP	329-P/311	350		.	2	200	.	900	.
0009	C-4	CONDON JOHN DANIE	WAGONMAKER SHOP	329	200		.	1	400	160	900	740
0007	A-2	SMITH ANDREW	BLACKSMITH/WAGON	329	500		.	1	300	120	850	730
0007	A-2	BRADSHAW WILLIAM	BLACKSMITH SHOP	329	200		.	1	400	215	800	585
0007	D-2	SMITH WILLIAM	WAGON/BLACKSMITH	329	400		.	5	320	145	800	655
0008	C-1	SHAFF WILLIAM	WAGON MAKING SHO	329/311	300		.	2	400	300	800	746
0009	A-5	SCOTT JAMES	WAGON SHOP	329	300		.	1	400	54	800	746
0009	C-1	MURCH HARRY	BLACKSMITH SHOP	329/311	250		.	2	350	290	800	510
0007	C-2	LOTAN JOSEPH	WAGONMAKER	329	250		.	2	400	150	660	510
0009	B-3	ERWIN WILLIAM	WAGON SHOP	329	200		.	2	120	150	650	500
0010	B	TRAVES MICHAEL	CARRIAGE/WAGON S	329	200		.	2	300	615	650	35
0007	A-2	DAVIS JOHN P	BLACKSMITH	329/309	400		.	1	200	125	600	475
0008	A-2	WHITTING JOHN	WAGON SHOP	329	100		.	1	.	60	600	540
0008	D-2	CHARLTON JOSEPH	WAGON SHOP	329	200		.	1	300	60	600	540
0008	F-1	MCCEE WILLIAM	WAGON MAKING SHO	329	200		.	2	350	150	600	540
0009	C-1	DENNIS JAMES	WAGON SHOP	329	200		.	1	400	70	600	530
0009	C-1	COHOE A J	WAGON/MACHINE SH	329/311	600		.	2	300	100	600	500
0009	C-2	MARTIN JAMES W	CARRIAGES/IMPLEM	329/311	150		.	1	360	90	550	460
0007	A-2	LANGSTON T	WAGONMAKER SHOP	329	100		.	1	300	100	500	400
0008	B-3	SCOTT JOHN	WAGON SHOP	329	100		.	2	400	40	500	460
0008	D-1	MOLASKY DANIEL	BLACKSMITH SHOP	329	250		.	2	.	120	500	380
0008	E-3	THOMPSON JAMES	WAGON SHOP	329	200		.	1	.	50	500	450
0009	C-2	NICHOL JAMES	WAGONS/CARRIAGES	329	200		.	1	300	50	500	450
0009	D-2	HARREL JAMES ?	WAGON SHOP	329	100		.	1	420	50	500	450
0008	F-1	BROCKS EDWIN	WAGON SHOP	329	200		.	3	360	120	470	350
0009	A-3	RALPH WILLIAM	WAGON SHOP	329	200		.	2	100	65	400	335
0008	D-3	JESTIN MARTIN	WAGON SHOP	329	100		.	1	.	100	300	200
0008	F-3	CORCORAN JAMES	WAGON SHOP	329	400		.	1	.	60	300	240
0008	F-4	SHOELBOTTOM GEORG	WAGON SHOP	329	100		.	1	50	144	240	96
0009	C-4	CLARK WILLIAM	WAGONMAKER SHOP	329	100		.	1	390	67	210	143
0008	D-3	MCCOLLOM R S	WAGON SHOP	329	200		.	1	.	42	200	158
0009	B-3	HANUM ELIJAH ?	WAGON SHOP	329	50		.	1	.	15	200	185
0007	D-1	HODGSON GEORGE	WAGONMAKING	329	100		.	1	60	15	150	135
0007	B	LOXLEY CHARLES	WAGON SHOP	329/315	100		.	1	.	.	120	.
0007	C-3	SCOTT JOHN	WAGON SHOP	329	25		.	1	.	32	81	49
0008	E-2	FLANNERY SAMUEL	WAGONMAKER	329	100		.	1	.	24	60	36
0007	G-2	UPTTIGROVE WILLIA	CARRIAGE SHOP	329	75		.	1	.	10	25	15
0008	C-1	ROBINSON WILLIAM	BLACKSMITH FORGE	329-P	1000		.	4	900	1200	.	.
0010	C-2	WEBB WILLIAM	BLACKSMITH	329	1000		.	3	1200	.	.	.
=====									=====	=====	=====	=====
									49	434	106781	112783
									=====	=====	=====	=====
									49	434	312288	194085
									=====			
									111350			

MIDDLESEX COUNTY: BRICK, POTTERY, MARBLE AND LIME WORKS, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0010	D	LEWIS ROBERT	STAINED GLASS	356	3000	STEAM	10	5	1800	12600	20000	7400
0009	A-2	EMERY A S & CO	DRAIN TILE FACTO	351-B	3500	STEAM	10	14	2800	100	10000	9900
0010	D	SMYTH J W	MARBLE/STONE WOR	353	4000			8	3500	2550	7000	4450
0010	B	PEEL JOHN R	MARBLE WORKS	353	2000			6	2392	2500	6000	3500
0009	C-6	PEGLER JOHN	POTTERY	351-P	800			4	1600	364	5600	5236
0009	A-1	TEEPLE JOHN	LIME KILN	358-L	300			8	1300	1280	5400	4120
0010	E	MARX & CAMPBELL	POTTERY	351-P	600			4	1200	258	4800	4542
0009	C-5	DAVIS DANIEL	BRICK YARD	351-B	3000	HORSE	4	10	1200	500	4750	4250
0009	C-5	RUSSELL SAMUEL	BRICK YARD	351-B	1000	HORSE	2	8	1000	300	3500	3200
0009	C-5	WADE ALEXANDER	BRICK YARD	351-B	1500	HORSE	2	8	800	275	3400	3125
0009	A-2	MCGUINNESS A	BRICK YARD	351-B	1000	HORSE	1	10	2500	100	3200	3100
0010	B	TEALE E & C & CO	MARBLE WORKS	353	1000			3		1600	3200	1600
0009	A-1	MCFIE NEIL	BRICK KILN	351-B				9	800	120	3150	3030
0009	A-1	MCGREGOR JOHN	BRICK YARD	351-B				8	1000	200	3000	2800
0009	A-1	NORTON & SON	BRICK YARD	351-B				7	800	300	2750	2450
0009	C-5	HILL RICHARD	BRICK YARD	351-B	700	HORSE	3	8	600	250	2750	2500
0009	A-1	JARVIS FRANCIS	LIME KILN	358-L	1200			5	1300	150	2700	2550
0009	A-1	MCNEIL FINLAY	BRICK YARD	351-B				8	1000	175	2500	2325
0009	A-1	GRIFFITH LYMAN	BRICK YARD	351-B				6	500	120	2500	2380
0009	A-1	QUICK CALVIN H	BRICK YARD	351-B				7	720	150	2500	2350
0009	A-3	JARVIS ELI S	BRICK FACTORY	351-B	4000			9	825	75	2500	2425
0008	A-2	BOGUE JAMES	BRICK YARD	351-B	600	HORSE	1	9	600	20	2000	1980
0008	A-2	DUGLAS JOHN	BRICK YARD	351-B	1200	HORSE	2	8	620	40	2000	1960
0008	A-2	PAUNIL WILLIAM ?	BRICK YARD	351-B	200	HORSE	2	9	1000	20	2000	1980
0008	E-4	SMITH JOHN	BRICK/DRAIN FACT	351-B	800	HORSE	4	8	600	1000	2000	1000
0009	A-1	JARVIS ROBERT	BRICK YARD	351-B				10	1000	150	2000	1850
0009	C-6	ELLIOTT JAMES	POTTERY	351-P	500	HORSE	1	3	500	475	2000	1525
0010	D	KELLY & BRO	MARBLE/STONE WOR	353	200			2	700	500	2000	1500
0008	E-1	WAUGH ROBERT	BRICK MAKING EST	351-B	500			9	1350	50	1925	1875
0007	D-1	MACKEY THOMAS	BRICK YARD	351-B	100	HORSE	1	7	135	100	1700	1600
0008	A-1	KEYSER JOHN	BRICK YARD	351-B	300	HORSE	1	6	540	40	1650	1610
0008	A-2	BOGUE THOMAS	BRICK YARD	351-B	310	HORSE	1	10	800	20	1600	1580
0009	C-1	ELSON PETER	POTTERY	351-P	1000	HORSE	1	3	700	350	1600	1250
0007	A-1	WATERWORTH JOSEPH	BRICK YARD	351-B	400	HORSE	2	3	300		1500	
0007	F	SCHULTHEIS FRANK	MARBLE WORKS	353	200			4	600	900	1500	600
0009	A-1	GRIFFITH NATHAN	BRICK YARD	351-B				7	720	100	1500	1400
0009	C-2	MCKELIAR COLIN	BRICK FACTORY	351-B	200			7	875	50	1500	1450
0007	D-1	RICHARDSON JOHN	BRICKS/POTTERY	351-B/351-P	700	STEAM	4	2	290	32	1400	1368
0009	A-1	BOGUE JOHN	BRICK YARD	351-B				6	600	100	1250	1150
0007	F	DIEM ALBERT	POTTERY	351-P	700			2	300	20	1200	1180
0008	D-1	MCCARTHUR DONALD	TILE MANUFACTORY	351-B	600	HORSE	2	3	300	240	1200	960
0009	A-5	GERARD CHARLES	TILE FACTORY	351-B	1200	HORSE	4	4	600	100	1160	1060
0009	A-5	MILES JOHN A	BRICK YARD	351-B	500	HORSE	1	7	300	150	1125	975
0009	C-5	ALEXANDER THOMAS	LIME KILN	358-L	110			3	270	120	1100	980
0010	G	AUTHESON JOHN	LIME KILN	358-L	1000			2	340	288	1040	752
0008	F-2	BOWDEN GEORGE	MARBLE/STONE CUT	353	10			2	300	500	1000	500
0009	B-3	DUNDASS JOHN	BRICK KILN	351-B	200	HORSE	1	3	600	60	960	900
0007	G-2	HILLS GEORGE	BRICK YARD	351-B	100	HORSE	1	4	500	225	900	675
0009	C-5	ALEXANDER JOHN	LIME KILN	358-L	125			2	150	60	600	540
0009	C-5	WILSON EDWIN	LIME KILN	358-L	100			4	240	50	525	475
0007	D-2	BRYANT LEVI	BRICK YARD	351-B	40			6	100	400	450	50
0007	G-2	SAIL AARON	DRAIN TILE FACTO	351-B	400	HORSE	2	3	250	150	450	300
0007	C-2	MCTAVISH A & CO	TILE FACTORY	351-B	500	HORSE	2	1	80	40	400	360
0009	C-2	SCATES GEORGE	BRICK/TILE FACTO	351-B	200	HORSE	1	3	100	30	380	350
0009	C-2	STEWART NEIL	LIME KILN	358-L	60			1	130	60	360	300
0009	C-5	GRAY JOHN	LIME KILN	358-L	60			3	300	30	350	320
0007	G-2	DOWLING NICHOLAS	LIME KILN	358-L	100			2		150	337	187
0009	B-3	MCMLLEN THOMAS	LIME KILN	358-L	50			2	35	36	200	164
0008	F-2	TURNER C & E	LIME KILN	358-L	20			2	20	18	140	122
0007	G-2	BANCHART JESSIE	LIME KILN	358-L	50			1			100	

MIDDLESEX COUNTY: BRICK, POTTERY, MARBLE AND LIME WORKS, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0009	C-5	FALLON PATRICK	LIME KILN	358-L	25			2	40	10	100	90
0008	D-3	HAIGHT BENJAMIN B	LIME KILN	358-L	25			1		18	70	52
0009	B-3	BLANSHARD GIDEON	BRICK KILN	351-B	6	HORSE	2	1		7	70	63
0008	F-2	HODGINS EDWARD	LIME KILN	358-L	50			2		26	45	19
0008	F-3	LAIRD JAMES & SON	LIME KILN	358-L	200			1				
0008	F-3	BUTLER PETER	LIME KILN	358-L	50			1				
0008	F-3	HODGINS JOHN	LIME KILN	358-L	50			1				
					41341							
					58	337	44522	30702	146587	114285		

MIDDLESEX COUNTY: OIL REFINERIES AND CHEMICAL WORKS, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0009	C-6	ENGLEHART & CO	PETROLEUM OIL RF	365	50000	STEAM	30	50	25000	260000	540000	280000
0009	C-6	WATERMAN H & I	PETROLEUM REFINI	365	30000	STEAM	15	20	8000	72000	180000	108000
0009	C-6	MINHINNICK J M &	OIL REFINERY	365	11500	STEAM	10	10	4108	60800	100400	39600
0009	C-6	FITZGERALD	PETROLEUM OIL RF	365	20000	STEAM	12	10	4000	40000	90000	50000
0009	C-6	SPENCER/KEENLEYSI	PETROLEUM OIL RF	365	15000	STEAM	12	8	2256	28555	90000	61445
0009	C-6	MC MILLEN & CO	PARAFFIN WORKS	365	10000	STEAM	12	13	4800	2800	76000	73200
0009	C-6	ROSS A & CO	PETROLEUM OIL RF	365	17000	STEAM	16	9	5000	29000	64000	35000
0009	C-6	MAHON/WILSON/COOP	PETROLEUM OIL RF	365	5000	STEAM	10	9	5000	16800	58700	41900
0009	C-6	HODGINS J D	PETROLEUM OIL RF	365	4000	STEAM	12	4	1600	22000	50000	28000
0009	C-6	THOMPSON J V	OIL REFINERY	365	5000	STEAM	8	5	2000	19200	41600	22400
0009	C-6	CANADA CHEMICAL C	CHEMICAL MF	379-C	40000	STEAM	25	11	5800	21200	40000	18800
0009	C-6	MACHUTTON & CO	ONT CHEMICAL WOR	379-C	40000	STEAM		10	4000	27200	40000	12800
0009	C-6	HIGGINS E	PARAFFIN WORKS	365	20000	STEAM	10	16	6000	23000	35000	12000
0009	C-6	LOVETT & PARKS &	OIL REFINERY	365	2000	STEAM		4	1500	14000	32000	18000
0009	C-6	DUFFIELD W & J	PETROLEUM OIL RF	365	10000	STEAM	20	8	1200	9500	24000	14500
0009	C-6	MILLER JAMES & CO	PETROLEUM REFINI	365	12000	STEAM	15	6	1700	18200	20000	1800
0009	C-6	STEDWELL J D	PETROLEUM OIL RF	365	15000	STEAM	10	7	3000	9500	16000	6500
0009	C-6	WALKER & LETTRIDG	PETROLEUM OIL RF	365	12000	STEAM	16	8	700	3500	8000	4500
0010	A	WILLSON & DAVIS	ASHERY	378-P/376	1500			5	1500	4000	6500	2500
0009	C-5	DOUTHWAITE CHARLE	SOAP FACTORY	376	500			2	800	4000	6000	2000
0010	C-2	STARR WILLIAM	POTASH/SOAP FACT	378-P/376	5000	HORSE	1	10	3500	720	6000	5280
0007	F	TOMLINSON ROBERT	SOAP/POTASH FACT	376/378-P	1000			2	500	1000	3400	2400
0008	F-3	ROBBINS ORLANDO	ASHERY	378-P	900	HORSE	1	3	900	320	2880	2560
0007	F	THOMPSON GEORGE	SOAP/POTASH MF	376/378-P	500			3	400	800	1600	800
0008	F-1	SCOTT WILLIAM	POTASH FACTORY	378-P	300			1	140	300	1000	700
0007	C-1	ADAMS ELISHA	ASHERY	378-P	300			4	350	350	980	630
0007	D-1	FREEMAN SAMUEL	ASHERY	378-P	200			1	300	400	900	500
0009	C-7	FLANERY WILLIAM	POTASH FACTORY	378-P	400			1	120	292	900	608
0007	E-4	HOLLOWAY ALFRED	ASHERY	378-P	100			1	300	250	600	350
0007	G-1	CAMPBELL WILLIAM	POTASH FACTORY	378-P	100			1	78	220	480	260
0007	D-1	ELLIOTT & ELLIS	ASHERY	378-P	100			2	320	50	400	350
0007	G-2	MILBURN JOHN	CHARCOAL	379-H				2	200	75	360	285
0008	E-2	BLACK RICHARD	ASHERY	378-P	200			1	50	100	300	200
0009	C-1	O'BRIEN JOHN	ASHERY	378-P	200			1	120	138	200	62
0008	C-3	MCKINNON GREGORY	POT ASHERY	378-P	150			2	150	84	160	76
					329950							
					235	250	95392	690354	1538360	848006		

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0009	A-3	YOUNG CHARLES	BLACKSMITH	FORGE 896	300			1	300	2600	4000	1400
0008	A-1	HUDSON & PARKER	BLACKSMITH	FORGE 896	300			4	400	1300		2200
0010	A	WESTMAN ALFRED	JOBING SHOP	896	300			1	400	50	3000	2950
0010	D	FRASER DONALD	BLACKSMITH	FORGE 896	800			3	1100	750	2500	1750
0007	F	BAILEY THOMAS	BLACKSMITH	896	600			3	50	1200	2100	900
0007	C-3	BEAUMONT ROBERT	BLACKSMITH	896	100			1	300	1100	2000	900
0009	C-1	SMITH JAMES L	BLACKSMITH	SHOP 896	1000			3	700	1000	2000	1000
0009	C-4	SPROUL WILLIAM	BLACKSMITH	SHOP 896	500			2	640	400	2000	1600
0010	C-1	DUNBAR J & W	BLACKSMITH	SHOP 896	1000			2	800	800	2000	1200
0010	C-1	DENNIS ROWLAND	BLACKSMITH	SHOP 896	600			2	500	400	2000	1600
0007	A-1	HARRIS THOMAS	BLACKSMITH	896	500			2	500	808	1800	992
0007	B	MUNROE DUNCAN	BLACKSMITH	FORGE 896	480			3	300	500	1600	1100
0009	A-3	ODELL FREDERICK	BLACKSMITH	SHOP 896	200			2	200	800	1500	700
0009	C-4	TANCOCK JAMES	BLACKSMITH	SHOP 896	100			2	300	245	1500	1255
0009	D-1	SALMON & NICHOLSO	BLACKSMITH	SHOP 896	400			3	140	200	1400	1200
0009	A-4	WATERLAND EDWARD	BLACKSMITH	SHOP 896	150			2	50	600	1300	700
0007	E-2	MOORE GEORGE	BLACKSMITH	FORGE 896	50			2		500	1200	700
0007	F	WATKINS JOHN	BLACKSMITH	SHOP 896	100			2	300	500	1200	700
0008	D-1	MCLELLAN A D	BLACKSMITH	SHOP 896	1200			2	300	300	1200	900
0008	C-1	FRASER HUGH	BLACKSMITH	FORGE 896	300			3	600	500	1100	600
0008	D-2	ALEXANDER & SON	BLACKSMITH	SHOP 896	300			2	400	500	1100	600
0008	F-1	ORMER HUGH ?	BLACKSMITH	SHOP 896	100			2	510	450	1050	600
0007	A-1	FERGUSON ROBERT	BLACKSMITH	SHOP 896	600			1	200		1000	
0008	D-2	CHARLTON JOSEPH	BLACKSMITH	SHOP 896	200			3	200		1000	
0008	F-1	KERNICK JAMES	BLACKSMITH	SHOP 896	600			2	300	250	1000	750
0008	F-3	HODGINS JAMES	BLACKSMITH	SHOP 896	60			2	300	400	1000	600
0008	F-3	HODGINS R WILLIAM	BLACKSMITH	SHOP 896	50			1	240	500	1000	500
0008	A-3	WILSON JOSEPH	BLACKSMITH	SHOP 896	600			2	348	600	1000	400
0009	B-2	GRAHAM NORMAN	BLACKSMITH	FORGE 896	100			1	300	300	1000	700
0009	C-3	EASTON GEORGE	BLACKSMITH	FORGE 896	400			2	100	300	1000	700
0009	C-4	PERKIN JOSEPH	BLACKSMITH	SHOP 896	200			1	350	200	1000	800
0009	C-5	DAYTON ARCHIBALD	BLACKSMITH	FORGE 896	300			1	525	200	1000	800
0009	B-2	STORMS LEONARD	BLACKSMITH	FORGE 896	100			2	240	300	950	650
0007	B	SMITH DONALD	BLACKSMITH	SHOP 896	600			2		600	939	339
0009	C-2	NICHOL JAMES	BLACKSMITH	FORGE 896	200			2	500	200	900	700
0009	C-2	PARKIN SAMUEL	BLACKSMITH	FORGE 896	150			2	360	250	900	650
0007	A-2	FLEMING JOHN	BLACKSMITH	SHOP 896	400			1	300	100	800	700
0007	E-2	QUICK WILLIAM	BLACKSMITH	FORGE 896	100			2	25	250	800	550
0007	E-3	GILLAM HIRAM	BLACKSMITH	FORGE 896	400			1	300	40	800	760
0008	E-3	SIMPSON RICHARD	BLACKSMITH	FORGE 896	500			2	100	250	800	550
0008	E-3	WINSOR LYMAN	BLACKSMITH	FORGE 896	500			1	100	150	800	650
0008	F-2	ATKINSON WILLIAM	BLACKSMITH	SHOP 896	80			1		100	800	700
0008	A-2	NEVIL JOHN	BLACKSMITH	SHOP 896	100			1	140	300	800	500
0009	A-2	BROOMFIELD JOHN	BLACKSMITH	SHOP 896	100			1	400	50	800	750
0009	A-2	MAINER JOHN	BLACKSMITH	SHOP 896	100			1		100	800	700
0009	B-2	DUNDAS ALEXANDER	BLACKSMITH	FORGE 896	200			2	450	250	800	550
0009	C-3	LEWIS ELLIOTT	BLACKSMITH	FORGE 896	500			2	420	350	800	450
0009	C-6	KENNY ERASTUS	BLACKSMITH/WOOD	896/259	200			1	400	120	800	680
0007	F	KEYS JOHN	BLACKSMITH	FORGE 896	200			2	100	60	750	690
0008	B-2	MCCUSH MURDOCH	BLACKSMITH	FORGE 896	400			2	40	400	750	350
0008	B-3	FULCHER WILLIAM	BLACKSMITH	FORGE 896	250			2	450	150	750	600
0007	A-1	BROWN SAMUEL	BLACKSMITH	SHOP 896	300			1		30	700	670
0007	E-2	SNELGROVE WILLIA	BLACKSMITH	SHOP 896	50			2	100	250	700	450
0007	E-3	SPENCE SMITH	BLACKSMITH	SHOP 896	200			2	500	120	700	580
0008	D-1	MUNCH GEORGE	BLACKSMITH	SHOP 896	100			2	75	100	700	600
0008	E-3	MANN AMBROSE	BLACKSMITH	FORGE 896	400			1	150	200	700	500
0009	B-2	JOSEPH MITCHEL	BLACKSMITH	FORGE 896	50			2	350	200	700	500
0009	C-1	METZGER JACOB	BLACKSMITH	SHOP 896	250			1	300	380	680	300
0007	C-3	BURGER HENRY	BLACKSMITH	SHOP 896	50			2	136	100	650	550

MIDDLESEX COUNTY: BLACKSMITHS, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0007	D-2	CASE IRA	WAGON/BLACKSMITH	896	1000		.	2	100	105	650	545
0007	B-3	FOUNTAIN JAMES	BLACKSMITH FORGE	896	120		.	2	400	39	620	581
0007	E-3	GILLAM CHARLES	BLACKSMITH FORGE	896	70		.	1	30	80	600	520
0008	B-2	ROBINSON WILLIAM	BLACKSMITH SHOP	896	400		.	2	.	250	600	350
0008	C-3	MCLELLAN JOHN	BLACKSMITH SHOP	896	200		.	1	.	100	600	500
0009	B-3	RUSSELL JOHN	BLACKSMITH FORGE	896	100		.	1	260	200	600	400
0009	B-3	MONETT WILLIAM	BLACKSMITH SHOP	896	170		.	2	350	250	600	350
0009	D-1	TALBOT JOHN	BLACKSMITH SHOP	896	200		.	2	168	350	600	250
0009	D-1	STEWART JOHN	BLACKSMITH SHOP	896	300		.	2	80	125	600	475
0009	D-2	HEMSHAW GEORGE	BLACKSMITH FORGE	896	100		.	1	400	120	600	480
0009	D-2	MORGAN FRED	BLACKSMITH FORGE	896	80		.	1	430	100	600	500
0009	C-2	SHAVER JOHN	BLACKSMITH FORGE	896	100		.	1	400	75	550	475
0008	D-1	MCNEIL JAMES	BLACKSMITH SHOP	896	260		.	1	.	158	549	391
0008	A-1	SMITH JOHN	BLACKSMITH FORGE	896	220		.	2	200	160	520	360
0007	C-2	SUTTON ANTHONY C	BLACKSMITH FORGE	896	250		.	2	125	100	500	400
0007	D-2	BROCK ROBERT	BLACKSMITH FORGE	896	700		.	1	80	60	500	440
0007	E-4	SIMMONS GEORGE	BLACKSMITH SHOP	896	200		.	1	300	200	500	300
0009	B-3	MENHENNUCH JOHN ?	BLACKSMITH FORGE	896	200		.	2	400	100	500	400
0009	B-3	MOAKS JOHN	BLACKSMITH SHOP	896	200		.	2	350	150	500	350
0009	B-3	PLAXTON JOHN	BLACKSMITH SHOP	896	200		.	1	300	150	500	350
0009	C-2	HODGINS JOHN R	BLACKSMITH FORGE	896	200		.	1	250	100	500	400
0009	C-3	CHENEY JOHN	BLACKSMITH FORGE	896	200		.	1	300	200	500	300
0007	D-2	PURCELL ARCHIBALD	BLACKSMITH FORGE	896	150		.	1	200	65	400	335
0007	E-3	NAGLE WASHINGTON	BLACKSMITH SHOP	896	150		.	1	250	70	400	330
0008	B-1	MCCLACHLAN JOHN	BLACKSMITH FORGE	896	80		.	1	120	98	400	302
0008	B-3	RAYMOND ALEXAND	BLACKSMITH FORGE	896	400		.	1	300	50	400	350
0008	D-2	GRAHAM PETER	BLACKSMITH SHOP	896	100		.	1	200	100	400	300
0009	A-1	REDPATH ALEXANDER	BLACKSMITH SHOP	896	.		.	1	.	60	400	340
0009	C-1	STILSOR LUTHER ?	BLACKSMITH SHOP	896	50		.	2	150	55	400	345
0009	C-4	MARCH THOMAS	BLACKSMITH SHOP	896	30		.	1	200	205	400	195
0009	C-2	O'BRIEN JOHN	BLACKSMITH FORGE	896	100		.	1	300	60	375	315
0008	B-3	MCINNIS FINLEY	BLACKSMITH FORGE	896	65		.	1	.	200	350	150
0007	G-1	PARKER HIRAM	BLACKSMITH FORGE	896	100		.	1	200	60	300	240
0008	A-1	WALKER ROBERT	BLACKSMITH FORGE	896	100		.	1	200	60	300	240
0008	D-3	ROSS WILLIAM	BLACKSMITH FORGE	896	100		.	1	.	90	300	210
0008	E-2	WINDSOR LYMAN	BLACKSMITH FORGE	896	200		.	1	50	.	300	.
0009	B-3	BOWEY JOHN	BLACKSMITH SHOP	896	150		.	1	.	150	300	150
0009	C-3	ROBINSON JAMES	BLACKSMITH FORGE	896	100		.	1	150	100	300	200
0007	G-1	DARK JAMES	BLACKSMITH FORGE	896	75		.	1	108	18	250	232
0008	B-2	MATTHEWS JOHN	BLACKSMITH FORGE	896	200		.	1	.	75	250	175
0008	C-3	CLARK WILLIAM	BLACKSMITH FORGE	896	50		.	1	.	25	250	225
0007	D-2	CONNAN ISAAC	BLACKSMITH FORGE	896	50		.	1	100	15	200	185
0008	D-3	MCKAY ALEXANDER	BLACKSMITH FORGE	896	60		.	1	.	100	200	100
0008	D-3	ATKINS RICHARD	BLACKSMITH FORGE	896	.		.	1	.	100	200	100
0009	A-5	TAYLOR IRA	BLACKSMITH SHOP	896	60		.	1	150	24	200	176
0009	C-2	WHALEN DANIEL	BLACKSMITH FORGE	896	100		.	1	150	60	200	140
0007	C-2	MATHERS ABRAHAM	BLACKSMITH FORGE	896	50		.	1	30	15	80	65
0007	C-3	WESTON WILKINSON	BLACKSMITH SHOP	896	25		.	1	.	5	70	65
0007	G-1	PARSONS THOMAS	BLACKSMITH FORGE	896	60		.	1	50	20	60	40
0008	D-3	ZAVITZ GEORGE	BLACKSMITH FORGE	896	40		.	1	.	.	50	.
0008	D-1	ROBINSON WILLIAM	BLACKSMITH SHOP	896	150		.	1	100	.	.	.
0008	E-3	HODGINS JOHN	BLACKSMITH FORGE	896	500		.	2	100	100	.	.
0009	A-1	GRAY GEORGE	BLACKSMITH	896	70		.	1	.	.	.	.
					27805	0	173	25620	28805	92143	61088	

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0007	D-2	SUTHERLAND J G	FLOUR/SAW/WOOLEN	105/251	20000	W/S	80	17	2500	45600	10000	-35600
0009	A-3	WILLOWS THOMAS	FLOUR MILL	105	2000	W/S	60	1	2064	1500	1600	100
0009	C-1	HILLIARD & SAWNBY	GRIST/FLOUR MILL	105	25000	WATER	60	7	2064	162000	192000	30000
0007	F	PINCOMB RICHARD	FLOUR/GRIST MILL	105	10000	W/S	50	6	1500	50000	53000	3000
0007	E-4	MIDDLEMIP GEORGE	SAW/STAVE MILL	251	4300	STEAM	45	11	3300	9000	18000	9000
0009	C-1	TURVILLE WILLIAM	GRIST MILL	105	3000	STEAM	45	2	450	12000	13000	1000
0007	B	HARPER WILLIAM	FLOUR/GRIST MILL	105	7000	STEAM	40	1	500	2400	3600	1200
0008	C-1	WELLING MATTHEW	GRIST MILL	105	3000	WATER	40	2	300	7200	8000	800
0008	D-1	SHOTWELL BENJAMIN	GRIST MILL	105	4000	WATER	40	2	1240	48000	53000	5000
0008	F-2	STANLEY DWIGHT &	GRIST MILL	105	10000	STEAM	40	4	600	15000	16000	1000
0009	C-5	TURVILLE GEORGE	FLOUR/GRIST MILL	105	10000	WATER	40	3	600	15000	16000	1000
0010	E	LEONARD ELIJAH	FOUNDRY/GRIST MI	311/301	40000	STEAM	40	25	6000	14650	31000	16350
0007	A-1	FERGUSON JOHN	GRIST MILL/CARDI	105/189-W	4000	WATER	36	2	460	15000	23950	8950
0009	A-1	KENNY FREDERICK H	GRIST MILL	105	5000	WATER	36	1	350	2000	5000	3000
0007	E-1	CLARK CHRISTOPHER	SAW/STAVE/HEADIN	251	3500	STEAM	35	5	720	54000	90000	36000
0007	F	SCOON J A	STRATHROY WOOLEN	182	46000	STEAM	35	57	13000	50000	60000	10000
0008	B-3	PARSON JOHN	GRIST MILL	105	7000	STEAM	35	3	650	3750	5725	1975
0008	C-1	CORSET JOHN	SAW MILL	251	9000	STEAM	35	15	2500	4000	8000	4000
0009	C-6	WILLS & MACHUTLIE	ONT STARCH WORKS	108-S	7000	STEAM	35	11	3500	14000	26500	12500
0009	C-6	MILBURN & CO	BARREL FACTORY	259-C	2500	STEAM	35	10	3500	6000	17000	11000
0010	C-1	GREAT WESTERN RLW	LOCOMOTIVE SHOP	326	2000	STEAM	35	34	12786	20000	20000	17670
0007	C-1	COULTHARD GEORGE	SAW/GRIST/CARDIN	251/105	6000	W/S	30	6	1800	24680	31590	6910
0007	C-1	STEINHOFF FINLEY	GRIST MILL	105	4000	STEAM	30	2	530	4500	5950	1450
0008	A-1	HOLTON HENRY	FLOUR/GRIST MILL	105	2000	STEAM	30	2	350	8000	10000	2000
0008	A-1	HOLTON HENRY	SAW MILL	251	1000	STEAM	30	1	156	375	750	375
0008	B-1	GUNDER GEORGE	GRIST MILL	105	2600	WATER	30	3	190	3750	5725	1975
0008	B-3	PROCTOR E M	SAW MILL	251	5400	STEAM	30	18	3000	7000	10000	3000
0008	B-3	LAKE S & A	GRIST MILL	105	6000	STEAM	30	3	700	40000	42000	2000
0008	B-3	PHIPPEN BROS	SAW MILL	251	5000	STEAM	30	7	3100	3000	6700	3700
0008	C-1	MARSH WILLIAM	GRIST MILL	105	2000	WATER	30	1	200	2200	3200	1000
0008	D-1	ZIMMERMAN JOHN	SAW MILL	251	1500	STEAM	30	4	400	400	1600	1200
0008	D-2	LIDDLE JOSEPH	GRIST MILL	105	4000	WATER	30	1	500	2000	6000	4000
0008	E-5	ALLAN HENRY	SAW MILL	251	5000	STEAM	30	7	1200	130000	137772	7772
0009	C-6	PLEWES & CROW	FLOUR/GRIST MILL	105	6000	WATER	30	5	2500	260000	540000	280000
0009	C-6	ENGLEHART & CO	PETROLEUM OIL RF	365	50000	STEAM	30	50	600	17400	19600	2200
0009	D-1	BEATTIE JOHN	GRIST MILL	105	6500	WATER	30	2	1878	20000	22000	2000
0008	F-1	MITCHELL ALEXANDE	GRIST/CARDING MI	105/189-W	4400	STEAM	26	6	2000	500	4600	4100
0007	A-1	WAIT A P	SAW MILL	251	2500	STEAM	25	6	1400	4200	42000	37800
0007	D-1	MCMAHON JOHN	SAW MILL	251	3000	W/S	25	3	270	750	2000	1250
0007	D-1	SUTHERLAND DAVID	SAW MILL	251	6000	WATER	25	2	600	14400	20000	5600
0007	E-3	CAWTHORPE JOSEPH	GRIST/FLOUR MILL	105	5000	STEAM	25	22	7000	4000	20000	16000
0007	F	MEEK & CO	SAW M/DOOR/SASH	254	4000	STEAM	25	2	500	7500	11000	3500
0007	F	LEGALIE THOMAS	FLOUR/GRIST MILL	105	1000	STEAM	25	7	250	650	1275	625
0007	G-2	SEABROOK ARTHUR	STAVE FACTORY	251	2000	STEAM	25	2	200	24000	25200	1200
0008	A-2	IRVING J & G & CO	GRIST MILL	105	2000	STEAM	25	3	400	1000	2200	1200
0008	A-2	IRVING J & G & CO	SAW MILL	251	4000	STEAM	25	1	191	6250	7875	1625
0008	B-1	HENDRA JOHN	GRIST MILL	105	600	STEAM	25	2	384	5000	5400	400
0008	C-1	SHIPLEY L G	GRIST MILL	105	3000	WATER	25	1	200	2400	3600	1200
0008	E-1	HANNAH JAMES	SAW MILL	251	3000	STEAM	25	10	1200	1500	7000	5500
0008	F-4	SAUL JOHN	GRIST MILL	105	3000	STEAM	25	1	300	15000	1850	-13150
0009	C-1	WILSON B & H	WOOLEN FACTORY	182	10000	W/S	25	16	3000	7500	12000	4500
0009	C-2	WAUGH ROBERT	GRIST MILL	105	3200	WATER	25	2	650	12000	13500	1500
0009	C-6	CANADA CHEMICAL C	CHEMICAL MF	379-C	4000	STEAM	25	11	5800	21200	40000	18800
0010	A	COUSINS JAMES	PUMP/FANNING MIL	315-P/311	5000	STEAM	25	14	5000	1750	13500	11750
0010	B	BROADBENT & CO	CARPENTER SHOP	421-C	5000	STEAM	25	40	15000	21000	45000	24000
0010	B	ARSCOTT RICHARD	TANNERY	172	3000	STEAM	25	7	2548	16000	32000	16000
0010	B	HYMAN E W	TANNERY	172	25000	STEAM	25	10	4500	28000	36000	8000
0010	C-1	MCCLARY J & O	FOUNDRY	307-S/311	50000	STEAM	25	73	30000	60000	100000	40000
0010	C-1	GREEN THOMAS	SASH/DOOR/BLIND	254	15000	STEAM	25	31	12000	6000	32000	26000
					556000				1983	611	190417	1302335
									1977422	1977422	673927	

MIDDLESEX COUNTY: FIRMS EMPLOYING 2+ FEMALES IN 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	FEMALE	WAGES	SUMRAWC	SUMPROC	VADD
0010	D	MCMECHAN & CO	BOOT/SHOE FACTOR	174	25000			33	26000	29000	65000	36000
0010	A	WALLACE ROBERT	TAILORING EST	242	300			30	10000	8000	15000	7000
0010	D	BURNS GEORGE	READY-MADE CLOTH	242	8000			30	12000	30000	40000	10000
0007	F	SCOON J A	SPRATHROY WOOLEN	182	46000	STEAM	35	24	13000	54000	90000	36000
0010	B	GREEN CROFTS & CO	HOOPSKIRTS/MILLI	244	1000			24	4000	10000	17000	7000
0010	C-1	MCPHERSON JOHN & SHO	BOOTS/SHOES	174	25000			22	45000	72000	120000	48000
0010	A	LONDON BOOT & SHO	BOOT/SHOE MF	174	12000			16	20000	40000	120000	80000
0010	B	BEATTIE T & J	MILLINERY	249-M	10000			15	2680	20000	28000	8000
0010	B	PICKERING LETITIA	DRESSMAKING	245	1600			14	900	11000	13500	2500
0010	B	HAY JANET	MILLINERY/DRESSM	249-M	200			14	1152	7000	10000	3000
0010	C-1	GOLDNER JOSEPH	TAILOR SHOP	243	500			12	750	1000	3000	2000
0010	B	BELTZ EDMUND	HATTER/FURRIER	246	700			9	2400	3600	9000	5400
0008	B-3	MAYBURY T A	TAILOR/MILLINERY	242	100			8	800	2500	3700	1200
0007	F	AULD MRS J	MILLINERY/DRESSM	244	100			7	300	350	1000	650
0010	A	MCCANN PHILIP	HAT/FUR EST	246	3000			7	1000	4000	6000	2000
0010	C-1	BEHILL MARGARE	LADIES OUTFITTING	244	400			7	450	600	600	200
0010	D	BOYD ROBERT	TAILOR/CLOTHIER	243	3000			7	3700	6000	10000	4000
0009	C-1	WILSON B & H	WOOLEN FACTORY	182	10000	W/S	25	6	3000	7500	12000	4500
0010	A	FERGUSON J & CO	PORK FACTORY	101-P	30000			6	6000	76302	95980	19678
0010	B	SOUTHAM LUCY	DRESSMAKING	245	45			6	500	8500	10000	1500
0010	B	MCINTOSH A & J G	TAILORING	243	5000			6	3700	8000	12700	4700
0010	D	PEEL THOMAS	TAILOR	243	5000			6	3000	5000	10000	5000
0007	D-2	SUTHERLAND J G	FLOUR/SAW/WOOLEN	105	20000	W/S	80	5	2500	45600	10000	-35600
0008	D-1	ALEXANDER GRAHAM	CHEESE FACTORY	104	350			5	7500	2000	20000	18000
0010	A	GLEN JAMES	TAILOR SHOP	242	4000			5	10000	299750	339875	40125
0010	D	MCCORMICK THOMAS	BISCUIT/CANDY MF	107	16000			5	800	1800	3500	1700
0007	F	MORRISON PETER	TAILORING EST	242	500			4	470	3600	7200	3600
0008	D-1	YOUNG JAMES	CLOTH MANUFACTOR	182	3000	WATER	15	4	700	2000	3000	1000
0008	E-1	ATKINSON M K	TAILORING	242	1000			4	1200	6000	10000	4000
0009	A-1	GRIFFITH & BROS	WOOLEN FACTORY	182	6000	WATER	15	4	250	4250	5250	1000
0009	A-4	GRAM HENRY ?	CHEESE FACTORY	104	950			4	100	585	715	130
0009	A-4	WILSEY ISAAC	CHEESE FACTORY	104	300			4	250	2100	3500	1400
0010	B	YOUNG REBECCA	MILLINERY	249-M				4	156	1200	1800	600
0010	B	MONTAGUE ADA	DRESSMAKING	244	25			4	6000	33880	44500	10620
0010	B	PERLIN D S	CONFECTIONERY	108-C	3500			4	50	1500	2000	500
0010	B	CHINNERY MARY	DRESSMAKER/MILLI	244				4	80	200	400	200
0007	B	WARD MRS SELOME	MILLINER SHOP	249-M	200			3	250		2500	
0007	B	WARD ELIZABE	DRESS MAKING SHO	244	500			3	3000	7000	10000	3000
0008	B-2	PROCTOR E M	SAW MILL	251	5400	STEAM	30	3	180	650	990	340
0008	C-1	CARMICHEL ALLAN	CHEESE FACTORY	104	300			3	40	1230	1644	414
0008	D-1	SEATON DONALD	CHEESE FACTORY	104	450			3	1500	3000	5000	2000
0010	A	CHAPMAN CHARLES	BOOK BINDING EST	287-B	1000			3	300	2000	3700	1700
0010	B	NOADES MARY A	TAILORING	243	75			3	120	3000	3700	700
0010	B	GORDON JANE	DRESSMAKING	244	32			3	500	1100	2500	1400
0010	B	WESTLAKE WILLIAM	HOOPSKIRT MF	244	1000			3	30000	40000	150000	110000
0010	C-1	MOORHEAD GEORGE	CABINET MANUFACT	261	10000	STEAM	10	3	350	3000	5000	2000
0010	C-1	DRANGER & MEYER	TAILORING SHOP	243	4000			3	2500	7000	15000	8000
0010	D	STEWART SAMUEL	TINSMITH	304-T	4000			3	650	600	1227	627
0007	C-1	MCNEIL JOHN	TAILOR SHOP	243	1200			2	50	400	1000	600
0007	C-3	BRODIE MARGARET	MILLINERY SHOP	244	50			2	400	750	1500	750
0007	F	PIKE CHARLES	TAILORING EST	242	600			2	600	2500	3300	800
0008	B-3	GIBBS JOHN	TAILOR SHOP	242	50			2				

MIDDLESEX COUNTY: FIRMS EMPLOYING 2+ FEMALES IN 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	FEMALE	WAGES	SUMRAWC	SUMPROC	VADD
0008	B-3	SMITH ANN	WEAVER	182-W	11		.	2	.	170	210	40
0008	D-2	LAMBERT B & SON	WOOLEN MILL	182	1000	WATER	8	2	400	3000	5000	2000
0008	D-3	ZAVITZ JAMES	CHEESE FACTORY	104	700		.	2	280	2487	3075	588
0008	E-1	MCINTOSH MRS WM	MILLINERY/DRESSM	244	.		.	2	.	300	600	300
0008	E-1	SHOFF MRS A E	MILLINERY/DRESSM	249-M	300		.	2	50	300	650	350
0008	F-1	HARRIGAN CATHERIN	WEAVING SHOP	182-W	30		.	2	60	200	400	200
0008	F-2	ELLWOOD WILLIAM	TAILOR SHOP	243	100		.	2	200	1500	2700	1200
0009	A-1	DAFTON & MCCALLUM	WOOLEN FACTORY	182	5000	WATER	12	2	1600	3000	6000	3000
0009	B-3	JOINT STOCK CO	CHEESE FACTORY	104	4000	STEAM	5	2	1400	22000	24000	2000
0009	B-3	GALLIVER HENRY	CHEESE FACTORY	104	800		.	2	.	1942	2427	485
0009	B-3	AMOS JOHN	CHEESE FACTORY	104	1000		.	2	120	1677	2049	372
0009	C-2	NOBLE WILLIAM	CHEESE FACTORY	104	800		.	2	222	4800	6000	1200
0009	C-2	PATRICK GEORGE	CHEESE FACTORY	104	400		.	2	125	400	550	150
0009	C-5	COLMORGAN FREDERI	TAILORING	242	60		.	2	400	600	1050	450
0010	A	COUSINS JAMES	PUMP/FANNING MIL	315-P	5000	STEAM	25	2	5000	1750	13500	11750
0010	B	MCGIRDY MARGARE	DRESSMAKING	245	32		.	2	100	250	500	250
0010	B	SPRACHLIN ELIZA	DRESS/MANTLEMAKE	244	45		.	2	120	4780	5330	550
0010	B	PARKINSON THOMAS	TAILORING	243	60		.	2	140	2200	3000	800
0010	B	WESTLAKE F	CONFECTIONERY	108-C	10000	STEAM	12	2	5500	28000	35000	7000
0010	C-1	MCCILARY J & O	FOUNDRY	307-S	50000	STEAM	25	2	30000	60000	100000	40000
0010	C-2	HAWKINS SARA	MILLINERY SHOP	249-M	10		.	2	50	5	150	145
0010	C-2	HOWARD MARY	MILLINERY SHOP	249-M	60		.	2	75	12	175	163
0010	C-2	WILSON SARA	DRESSMAKER	244	80		.	2	300	175	475	300
					432915							
						297	459	276970	1020840	1564671	541331	

MIDDLESEX COUNTY: ALL FIRMS BY NAME OF PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0007	C-1		PLOUGH FACTORY	311	500			2	500	1872	2740	868
0008	B-3		GRIST MILL	105	7000	STEAM	35	3	650	50000	60000	10000
0008	C-1		WAGON SHOP	329	200			1	300	200	1000	800
0008	E-5		WAGONMAKER SHOP	329/311	100			1	400	150	1000	850
0008	F-2		BAKERY	107	40			1	120	1400		
0008	F-2		HARNESMAKER SHO	179-S	60			1		256	1000	744
0008	F-2		WEAVING	182-W	50			1		100	125	25
0008	F-2		WEAVING	182-W	22			1		50	150	100
0008	A-1	ABERNETHY JAMES	SHOE SHOP	174	300			2	300	400	700	300
0007	E-2	ADAIR ABRAHAM	CARPENTER SHOP	421-C	75			1		300	900	600
0007	E-2	ADAIR PHILLIP	CARPENTER SHOP	421-C	100			2	400	400	1500	1100
0007	A-2	ADAIR ROBERT	SHOE SHOP	174	1000			10	2000	4000	10000	6000
0008	B-3	ADAMS & WATSON	HARNES SHOP	179-S	100			3	450	550	1300	750
0007	C-1	ADAMS ELISHA	ASHERY	378-P	300			4	350	350	980	630
0007	G-1	ADAMS WILLIAM	WAGON SHOP	329	500			1	500	36	1000	964
0007	F	AIKENS JOHN	CARRIAGE FACTORY	329	1000			10	2000	2000	6000	4000
0008	D-2	ALEXANDER & SON	BLACKSMITH SHOP	896	300			2	400	500	1100	600
0008	D-1	ALEXANDER GRAHAM	CHEESE FACTORY	104	350			9		445	549	104
0008	E-5	ALLAN HENRY	SAW MILL	251	5000	STEAM	30	7	1200	2000	6000	4000
0008	C-2	ANDERSON ALEXANDE	CARPENTER SHOP	259	80			1		80	200	120
0008	F-3	ANDERSON JAMES ?	WEAVING	182-W	15			1			80	
0008	E-4	ARCOUT GEORGE	BOOT/SHOE SHOP	174	400			2	150	500	900	400
0008	E-1	ARMSTRONG JOHN	BLACKSMITHING	309/311	30			1		12	800	788
0008	C-1	ARMSTRONG ROBERT	SHOE SHOP	174	200			2	400	1300	2000	700
0007	B	ATKINSON EBENEZ	FLOUR/GRIST MILL	105	3000	STEAM	18	2	500	3000	3500	500
0008	D-3	ATKINS RICHARD	BLACKSMITH FORGE	896				1		100	200	100
0008	F-2	ATKINSON ELIZABET	WEAVING	182-W	32			1		75	170	95
0008	E-1	ATKINSON M K	TAILORING	242	1000			5	700	2000	3000	1000
0008	F-2	ATKINSON WILLIAM	BLACKSMITH SHOP	896	80			1		100	800	700
0008	D-2	ATTWOOD ADOLPHUS	CHEESE FACTORY	104	200			1	100	450	600	150
0007	F	ATTWOOD PETER H	CABINET/BROOM FC	399-B/261	700			3	1200	1400	6000	4600
0007	F	AULD MRS J	MILLINERY/DRESSM	244	100			7	300	350	1000	650
0008	C-2	AUTO ADAM ?	WEAVING SHOP	182-W	4			1		180	250	70
0007	F	BAILEY THOMAS	BLACKSMITH	896	600			3	50	1200	2100	900
0008	B-3	BAIRD HUGH C	FOUNDRY/MACHINE	311	6000	STEAM	10	8	2200	1500	4550	3050
0008	B-3	BAIRD WILLIAM	PUMP FACTORY	315-P	250	HORSE	2	2	300	30	850	820
0008	E-1	BAKER MARIA	WEAVING	182-W	20			1		75	100	25
0008	E-1	BAKER SIMS	BLACKSMITHING	329-P	200			3	735	90	3000	2910
0008	E-1	BAKER SIMS	WAGON/CARRIAGE F	329	500			3	1230	500	2355	1855
0007	G-2	BANCHART JESSIE	LIME KILN	358-L	50			1			100	
0007	F	BANGHART & BEST	SODA WATER MF	109-S	850			5	250	1000	3000	2000
0007	F	BASKERVILLE & BRO	UNDERTAKING/CABI	258/261	500			3	1000	400	3500	3100
0007	E-3	BATEMAN JOHN	STAVE FCY/SAW MI	251	3000	STEAM	15	5	504	2000	4250	2250
0007	G-2	BATEMAN THOMAS	SAW MILL	251	2000	WATER		1		30		
0007	C-3	BEAUMONT ROBERT	BLACKSMITH	896	100			1		1100	2000	900
0007	F	BELL RICHARD	TAILORING WORKS	242	100			4	700	800	2000	1200
0008	F-3	BELL FRANCIS	SHOEMAKER SHOP	174	200			1	300	600	1200	600
0007	D-1	BENTLEY ROBERT	CHEESE FACTORY	104	2300			6	636	600	1200	600
0007	D-1	BICKNELL BENJAMIN	WEAVER SHOP	182-W				2			134	
0007	C-2	BLACK D & MILLER	STAVE FACTORY	251/251-S	1100	STEAM	16	10	690	700	1600	900
0008	E-2	BLACK RICHARD	ASHERY	378-P	200			1	50	100	300	200

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
O007	F	BLASHILL WILLIAM	WATCH/JEWELRY	ES 392	500		.	3	450	100	1500	1400
O008	A-2	BOGUE JAMES	BRICK YARD	351-B	600	HORSE	1	9	600	20	2000	1980
O008	A-2	BOGUE THOMAS	BRICK YARD	351-B	310	HORSE	1	10	800	20	1600	1580
O007	F	BOND JOHN & BRO	BAKERY	107	400		.	2	500	1500	3000	1500
O008	F-2	BOWDEN GEORGE	MARBLE/STONE CUT	353	10		.	2	300	500	1000	500
O008	E-2	BOWMAN JOSEPH	WOOD SAWING MACH	021	40	HORSE	8	1	.	100	200	100
O008	B-3	BRADLEY JAMES	COOPER SHOP	259-C	40		.	1	.	25	200	175
O007	A-2	BRADSHAW WILLIAM	BLACKSMITH SHOP	329	200		.	1	400	215	800	585
O007	D-1	BRENELL JOHN	PUMP FACTORY	315-P	250	HORSE	1	1	150	40	300	260
O007	D-2	BROCK ROBERT	BLACKSMITH FORGE	896	700		.	1	80	60	500	440
O008	F-1	BROCK EDWIN	WAGON SHOP	329	200		.	3	360	120	470	350
O007	C-3	BRODIE JAMES	TAILOR SHOP	243	7		.	1	.	200	260	60
O007	C-3	BRODIE MARGARET	MILLINERY SHOP	244/249-M	50		.	2	50	400	1000	600
O008	E-2	BROPHY THOMAS	WOOD SAWING MACH	021	100	HORSE	6	1	.	600	60	-540
O007	A-1	BROWN SAMUEL	BLACKSMITH SHOP	896	300		.	1	.	30	700	670
O008	C-1	BROWN THOMAS	SHOE MAKING SHOP	174	300		.	2	150	800	1200	400
O007	D-2	BROWN WILLIAM	BOOT/SHOE SHOP	174	100		.	1	240	800	1664	864
O007	D-2	BRYANT LEVI	BRICK YARD	351-B	40		.	6	100	400	450	50
O007	C-2	BUCHANAN JAMES	STAVE FACTORY	251	1200	STEAM	20	10	600	700	1600	900
O007	C-3	BURGER HENRY	BLACKSMITH SHOP	896	50		.	2	136	100	650	550
O008	B-3	BURNS JOHN	WINDOW BLIND FAC	189-S	35		.	1	300	50	400	350
O008	F-3	BUTLER PATRICK	SHOE SHOP	174	.		.	1	.	350	700	350
O008	F-3	BUTLER PETER	LIME KILN	358-L	50		.	1	.	.	.	.
O007	F	CAMERON & SON	BOOT/SHOE MF	174	1000		.	11	2600	6000	8000	2000
O008	E-1	CAMERON MARY ANN	WEAVING	182-W	40		.	1	.	180	450	270
O007	B	CAMPBELL ARCHIBALD	TAILOR SHOP	243	.		.	1	.	1	84	83
O008	D-2	CAMPBELL ALEXANDE	SHOEMAKER SHOP	174	200		.	1	200	150	350	200
O008	B-3	CAMPBELL ARCHIBAL	PLANING MILL	251	2000	STEAM	15	3	.	.	.	.
O007	C-1	CAMPBELL JOHN	HARNES SHOP	179-S	3000		.	4	1550	2400	4300	1900
O008	E-1	CAMPBELL LILLY	WEAVING	182-W	26		.	1	.	75	150	75
O007	G-1	CAMPBELL WILLIAM	POTASH FACTORY	378-P	100		.	1	78	220	480	260
O008	C-2	CAMPBELL WILLIAM	HANDLOOM	182-W	10		.	1	.	240	600	360
O008	C-1	CARMICHEL ALLAN	CHEESE FACTORY	104	300		.	4	180	650	990	340
O007	F	CARSON SAMUEL	BOOT/SHOE FACTOR	174	100		.	2	400	700	1800	1100
O007	D-2	CASE IRA	WAGON/BLACKSMITH	896	1000		.	2	100	105	650	545
O008	F-2	CATHCART GEORGE	BOOT/SHOEMAKING	174	50		.	1	200	300	1400	1100
O007	E-3	CAWTHORPE JOSEPH	GRIST/STAVE/HEADIN	251	6000	WATER	25	2	600	14400	20000	5600
O008	D-2	CHARLTON JOSEPH	GRIST MILL	105	1200	WATER	8	1	300	2000	2500	500
O008	D-2	CHARLTON JOSEPH	GRIST MILL	105	200		.	3	200	.	1000	.
O008	D-2	CHARLTON JOSEPH	BLACKSMITH SHOP	896	200		.	1	300	60	600	540
O008	D-2	CHARLTON WILLIAM	WAGON SHOP	329	500		.	1	250	1000	1430	430
O007	G-2	CHRISTIAN WILLIAM	CHEESE FACTORY	104	400	WATER	.	1	.	.	400	.
O007	E-1	CLARK CHRISTOPHER	SAW/STAVE/HEADIN	251	3500	STEAM	35	5	720	2000	5000	3000
O007	E-3	CLARK JOSEPH	GRIST MILL	105	3000	WATER	16	2	400	9000	12500	3500
O008	C-3	CLARK WILLIAM	BLACKSMITH FORGE	896	50		.	1	.	25	250	225
O007	D-2	CLARKE ADAM	CABINETMAKING	261	500		.	2	30	65	400	335
O007	A-2	CLAYSON WILLIAM	GUN FACTORY	309	500		.	1	200	50	500	450
O007	A-2	CLEMENTS WILLIAM	VENEERING EST	252	3000	STEAM	6	2	300	500	4000	3500
O007	E-4	COCKLE HORACE	CARPENTER SHOP	261	550		.	4	390	400	1000	600
O008	F-2	COLLINS HENRY	TIN SHOP	304-T	200		.	2	400	2000	4000	2000
O007	E-3	COLLINS JOHN	TAILOR SHOP	243	40		.	1	170	125	350	225

MIDDLESEX COUNTY: ALL FIRMS BY NAME OF PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0007	D-2	CONNAN ISAAC	BLACKSMITH FORGE	896	50		.	1	100	15	200	185
0008	B-3	COOK	TIN SHOP	304-T	200		.	1			1100	
0007	D-2	COOKE GEORGE	CABINET FACTORY	261	175	HORSE	1	1	375	100	600	500
0008	E-5	CORBET JOHN	SAW MILL	251	9000	STEAM	35	15	2500	4000	8000	4000
0008	B-2	CORBY JAMES	SHOEMAKER SHOP	174	200		.	1	200	200	500	300
0008	F-3	CORCORAN JAMES	WAGON SHOP	329	400		.	1		60	300	240
0007	B	CORNEIL ADAM	CARRIAGE/WAGON F	329	1000		.	7	800	300	3000	2700
0007	C-1	COULTHARD GEORGE	SAW/GRIST/CARDIN	251/105	6000	W/S	30	6	1800	24680	31590	6910
0007	F	CRISPIN THOMAS	TIN/COPPER/IRON	304-T	500		.	2	300	900	1800	900
0008	D-3	CUTLER ELLIS	GRIST MILL	105	1000	WATER	15	0			.	
0008	D-3	CUTLER ELLIS	SAW MILL	251	200	WATER	15	2	50	113	200	87
0007	C-3	DALTON JOHN	SHOEMAKER SHOP	174	60		.	1		15	50	35
0007	G-1	DARK JAMES	BLACKSMITH FORGE	896	75		.	1	108	18	250	232
0007	C-1	DAVIDSON ANDREW	TURNING/BENDING	259-W	2500	STEAM	10	3	960	1960	4000	2040
0007	A-2	DAVIS JOHN P	BLACKSMITH	329/309	400		.	1	200	125	600	475
0007	A-2	DAVIS L & ARCHIE	WOOLEN FACTORY	189-W	3520	STEAM	14	4	1000	6400	1440	-4960
0007	F	DECOW DANIEL & SO	TANNERY/HARNES	172/179-S	5000	STEAM	10	10	2600	5500	10000	4500
0007	F	DELE HIRAM & CO ?	AGRICULTURAL WOR	259/329-P	800		.	3	800	600	1500	900
0007	F	DEWAN JAMES D	PORK PACKING	101-P	1200		.	8	1600	16000	20000	4000
0008	B-3	DICKINSON THOMAS	CARDING/FULLING	189-W	2000	STEAM	12	2	200	1000	2000	1000
0007	D-1	DICKLIN FREDRICK	SHOE SHOP	174			.	1	120	400	800	400
0007	F	DIEM ALBERT	POTTERY	351-P	700		.	2	300	20	1200	1180
0007	B	DIXON HUGH	HARNES SHOP	179-S	800		.	2	380	150	900	750
0008	E-5	DOOKER WILLIAM	SAW MILL	251	3000	STEAM	20	4	1000	3000	6000	3000
0007	G-2	DOWLING NICHOLAS	LIME KILN	358-L	100		.	2		150	337	187
0008	F-2	DROUGHT JOHN	CABINET FACTORY	261	300		.	4	1000	140	1600	1460
0008	E-1	DRUMMOND JOHN	TAXIDERM EST	899	30		.	1		25	225	200
0007	F	DUBOIS	COOPERAGE	259-C	400		.	3	100	400	1000	600
0008	A-2	DUGLAS JOHN	BRICK YARD	351-B	1200	HORSE	2	8	620	40	2000	1960
0007	C-1	DUIT ERASTUS ?	CABINET SHOP	261	300		.	2	210	30	200	170
0007	F	EAKINS SAMUEL	CABINET FACTORY	261	10000	STEAM	16	15	4000	5000	15000	10000
0008	B-2	ELLIOTT JOHN	SAW MILL	251	7000	STEAM	20	6	336	1500	3000	1500
0007	D-1	ELLIOTT & ELLIS	ASHERY	378-P	100		.	2	320	50	400	350
0007	F	ELLIOTT JOHN & CO	FOUNDRY/AGRC WOR	311	6000	STEAM	16	20	7500	7000	26000	19000
0008	F-2	ELLWOOD WILLIAM	TAILOR SHOP	243	100		.	3	200	1500	2700	1200
0008	B-3	ENGLISH JOHN	TIN SHOP	304-T	150		.	2	300	250	700	450
0008	E-1	ERSKINS JANE	WEAVING	182-W	42		.	1		400	750	350
0008	E-1	EVANS J E	BAKERY	107	100		.	1		1975	2700	725
0007	F	FADLIER THOMAS	HARNES FACTORY	179-S	400		.	2	500	900	2000	1100
0007	F	FAWCITT BROS	PLANING/DOOR/SAS	254	8000	STEAM	18	22	5000	16000	25000	9000
0007	A-1	FERGUSON JOHN	GRIST MILL/CARDI	105/189-W	4000	WATER	36	2	460		1160	
0008	D-2	FERGUSON JOHN	COOPER SHOP	259-C	100		.	1		20	120	100
0007	A-1	FERGUSON ROBERT	BLACKSMITH SHOP	896	600		.	1	200		1000	
0008	F-4	FITZGERALD GERALD	WAGONMAKER	329	100		.	2	400		700	
0008	E-2	FLANNERY SAMUEL	HARNES SHOP	179-S	100		.	1		24	60	36
0007	A-2	FLEMING JOHN	BLACKSMITH SHOP	896	400		.	1	300	100	800	700
0007	B	FRANCES EDWARD	PHOTOGRAPH GALLE	893	4		.	2		548	1440	892
0007	F	FRANCIS GEORGE	BAKERY	107	600		.	2	650	2000	4000	2000
0007	E-1	FRANK JOHN	SAW MILL	251	1000	WATER	15	1	240	75	200	125
0007	F	FRANK S & F	RAKE/SNATH/CRADL	306	5000	STEAM	20	15	3000	1000	6000	5000
0008	C-1	FRASER HUGH	BLACKSMITH FORGE	896	300		.	3	600	500	1100	600

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0007	B	FRECKELTON DAVID	BAKERY	107	500		.	2	400	936	947	11
0007	C-1	FREELE GEORGE ?	SHOE SHOP	174	1000		.	4	1000	2500	4000	1500
0007	D-1	FREEMAN SAMUEL	ASHERY	378-P	200		.	1	300	400	900	500
0008	F-2	FRIERS MARY ANN	WEAVING	182-W	50		.	1	.	1000	1500	500
0008	A-1	FULE JAMES	BOOT/SHOE SHOP	174	300		.	3	350	800	1200	400
0008	B-3	FULCHER WILLIAM	BLACKSMITH FORGE	896	250		.	2	450	150	750	600
0008	F-3	GALLOWAY & MASON	IRON FOUNDRY/AG	311	2000	STEAM	15	5	2000	1110	5400	4290
0007	E-2	GAMBLE JAMES	CARRIAGE FACTORY	329	200		.	2	400	500	1500	1000
0008	E-1	GARBUTT WILLIAM	BLACKSMITHING	309/329-P	30		.	1	.	75	200	125
0007	G-2	GARNETT ROTHWELL	SAW/SHINGLE MILL	251/251-S	3000	STEAM	20	4	250	2500	3700	1200
0007	F	GERMAN GEORGE	BOOT/SHOE FACTOR	174	100		.	4	1200	1000	3000	2000
0007	C-2	GIBBS JOHN	COOPER SHOP	259-C	150		.	1	300	100	450	350
0008	B-3	GIBBS JOHN	TAILOR SHOP	242	50		.	3	600	2500	3300	800
0008	F-3	GIBSON THOMAS	COOPER SHOP	259-C	200		.	2	300	400	2240	1840
0007	E-3	GILLAM CHARLES	BLACKSMITH FORGE	896	70		.	1	30	80	600	520
0007	E-3	GILLAM HIRAM	BLACKSMITH FORGE	896	400		.	1	300	40	800	760
0008	F-3	GOODACRE ALBERT	CABINET/TURNING	261/258	300	STEAM	12	6	1300	1200	35000	33800
0007	E-4	GOODWIN WILLIAM	HARNES SHOP	179-S	150		.	1	400	450	1300	850
0007	A-1	GOUDIN WALLACE	SAW MILL	251	1500	WATER	12	3	600	1200	3600	2400
0008	D-2	GRAHAM DUNCAN	CHEESE FACTORY	104	300		.	2	250	400	600	200
0008	D-2	GRAHAM PETER	BLACKSMITH SHOP	896	100		.	1	200	100	400	300
0008	E-1	GRAND TRUNK	RAIL REPAIR SHOP	326	1000	STEAM	8	4	1200	18500	22000	3500
0007	E-3	GRAVES ALBERT	WHEEL/CABINET FC	315-H/261	.		.	3	1100	100	1100	1000
0008	D-3	GRAY ARCHIBALD	TAILOR SHOP	242	60		.	1	.	.	.	.
0008	E-1	GRAY CATHERINE	WEAVING	182-W	30		.	1	.	40	60	20
0008	B-1	GUNDER GEORGE	GRIST MILL	105	2600	WATER	30	3	190	3750	5725	1975
0007	E-2	HAGAR ADAM	CARPENTER SHOP	421-C	100		.	1	.	400	600	200
0008	D-3	HAIGHT BENJAMIN B	LIME KILN	358-L	25		.	1	.	18	70	52
0008	E-1	HANNAH JAMES	SAW MILL	251	3000	STEAM	25	10	1200	1500	7000	5500
0008	E-1	HANNAH MARY	WEAVING	182-W	30		.	1	.	90	180	90
0007	B	HARPER WILLIAM	FLOUR/GRIST MILL	105	7000	STEAM	40	1	.	.	.	.
0008	F-1	HARRIGAN CATHERIN	WEAVING SHOP	182-W	30		.	2	60	200	400	200
0008	A-2	HARRIS ISAAC	PLANING MILL	251	1000	STEAM	8	2	500	5000	6500	1500
0007	A-1	HARRIS THOMAS	BLACKSMITH	896	500		.	2	500	808	1800	992
0008	B-3	HARRISON JOHN	STAVE FACTORY	251	3000	STEAM	16	8	2500	6000	11170	5170
0007	F	HARRISON FREDERIC	CABINET FACTORY	261/258	400		.	2	700	300	4000	3700
0007	F	HARVEY JAMES	COOPERAGE	259-C	500		.	5	2000	1000	4000	3000
0008	B-3	HAWKEY JOHN	CARRIAGE SHOP	329	1000		.	5	1000	500	2500	2000
0008	F-1	HAWKINS JAMES	BLACKSMITH SHOP	309	50		.	1	150	150	270	120
0007	E-3	HAWKINS JOSEPH	SAW MILL	251	1400	STEAM	14	10	2400	1000	4500	3500
0007	C-3	HEARNS THOMAS	CARPENTER SHOP	259	200		.	1	.	.	.	.
0007	B	HENDERSON & CAMPB	FOUNDRY	311/294	6000	STEAM	10	7	350	4725	6000	1275
0008	B-1	HENDRA JOHN	GRIST MILL	105	4000	STEAM	25	1	191	6250	7875	1625
0008	B-1	HENDRA JOHN	SAW MILL	251	600	STEAM	25	2	384	5000	5400	400
0007	B	HEROLD THOMAS	BOOT/SHOE SHOP	174	100		.	2	600	600	1200	600
0008	F-3	HICKS JOHN	HARNES SHOP	179-S	40		.	1	320	500	1000	500
0007	F	HILL ROBERT	CABINET FACTORY	261/258	500		.	2	400	250	1400	1150
0007	G-2	HILLS GEORGE	BRICK YARD	351-B	100	HORSE	1	4	500	225	900	675
0007	F	HOCKEN WILLIAM	STAVE/HEADING FC	251	1000	STEAM	16	12	3500	8600	14300	5700
0008	F-2	HODGINS EDWARD	LIME KILN	358-L	50		.	2	.	26	45	19
0008	F-3	HODGINS JAMES	BLACKSMITH SHOP	896	60		.	2	300	400	1000	600

MIDDLESEX COUNTY: ALL FIRMS BY NAME OF PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0008	E-3	HODGINS JOHN	BLACKSMITH FORGE	896	500		.	2	100	100	.	.
0008	F-3	HODGINS JOHN	LIME KILN	358-L	50		.	1	.	.	.	.
0008	F-4	HODGINS MOSES	BLACKSMITH FORGE	329	1000		.	2	316	.	2000	.
0008	F-3	HODGINS R WILLIAM	BLACKSMITH SHOP	896	50		.	1	240	500	1000	500
0008	F-2	HODGINS SARAH JAN	WEAVING	182-W	20		.	2	.	12	20	8
0007	D-1	HODGSON GEORGE	WAGONMAKING	329	100		.	1	60	15	150	135
0007	E-4	HOLLOWAY ALFRED	ASHERY	378-P	100		.	1	300	250	600	350
0007	C-2	HOLMES THOMAS	CABINET SHOP	261	300		.	2	360	120	1000	880
0008	A-1	HOLTEN HENRY	FLOUR/GRIST MILL	105	2000	STEAM	30	2	350	8000	10000	2000
0008	A-1	HOLTON HENRY	SAW MILL	251	1000	STEAM	30	1	156	375	750	375
0007	E-4	HOMISTER CHARLES	SAW MILL	251	1000	STEAM	10	3	600	2000	3200	1200
0007	C-3	HOMISTER FREDERIC	SAW MILL	251	1400	STEAM	18	3	125	125	1000	875
0008	B-3	HOUSTON JOHN	TAILOR SHOP	242	150		.	1	.	250	350	100
0008	A-1	HUDSON & PARKER	BLACKSMITH FORGE	896	300		.	4	400	1300	3500	2200
0008	A-1	HUDSON & PARKER	WAGON SHOP	329	200		.	1	200	700	1200	500
0007	B	HUMPHREY STEPHEN	WAGON/CARRIAGE	F 329	.		.	2	400	300	1000	700
0007	G-2	HUTTY PETER	GRIST MILL	105	5000	WATER	.	2	450	.	1000	.
0007	B	INGLISH THOMAS	CARRIAGE/WAGON	F 329	700		.	4	676	474	2000	1526
0008	A-2	IRVING J & G & CO	GRIST MILL	105	2000	STEAM	25	2	200	24000	25200	1200
0008	A-2	IRVING J & G & CO	SAW MILL	251	2000	STEAM	25	3	400	1000	2200	1200
0007	F	IRWIN & CO	PHOTOGRAPH GALLE	893	100		.	2	.	400	1200	800
0007	F	JACKSON & CLARY	AGRC WORKS/FOUND	311/294	5000	STEAM	10	8	3750	3000	8750	5750
0007	B	JACKSON JAMES	COOPER SHOP	259-C	20		.	1	.	.	300	.
0008	F-3	JACKSON JOHN	FOUNDRY/MACHINE	311	15000	STEAM	12	21	7000	6500	20000	13500
0007	D-1	JACKSON THOMAS	JOINER SHOP	261	200	STEAM	4	1	.	60	510	450
0008	E-1	JAMES JOSHUA	BOOT/SHOEMAKING	174	40		.	1	.	35	70	35
0008	F-1	JAMES WILLIAM	COOPER SHOP	259-C	40		.	1	100	50	200	150
0008	E-1	JAMIESON ALEXANDE	BLACKSMITH SHOP	329-P/311	350		.	2	200	.	900	.
0008	F-1	JAMIESON JAMES	SHOE SHOP	174	100		.	3	600	700	2000	1300
0007	F	JELL & FRANK	ROOF PAINTING	ES 421-D	100		.	6	1000	2000	5500	3500
0008	D-3	JESTIN MARTIN	WAGON SHOP	329	100		.	1	.	100	300	200
0008	D-1	JOHNSTON DONALD	CHEESE FACTORY	104	1500		.	4	200	2880	3320	440
0008	A-2	JOHNSTON ROSIN &	CARDING/FULLING	189-W	2500	STEAM	12	2	.	1000	2200	1200
0008	F-2	JONES FRANCIS	CABINET FACTORY	261	300		.	2	240	240	700	460
0008	E-4	JUDGE JOHN	BLACKSMITH SHOP	311	225		.	2	125	380	1000	620
0008	F-1	KERNICK JAMES	BLACKSMITH SHOP	896	600		.	2	300	250	1000	750
0007	F	KEYS JOHN	BLACKSMITH FORGE	896	200		.	2	100	60	750	690
0008	A-1	KEYSER JOHN	BRICK YARD	351-B	300	HORSE	1	6	540	40	1650	1610
0008	E-1	KINSMAN H	DENTISTRY	391	40		.	1	.	20	90	70
0007	D-2	KNAPTON CHARLES	BOOT/SHOE SHOP	174	150		.	1	100	200	700	500
0008	F-3	LAIRD JAMES & SON	LIME KILN	358-L	200		.	1	.	.	.	.
0008	B-3	LAKE S & A	GRIST MILL	105	6000	STEAM	30	3	700	40000	42000	2000
0008	D-2	LAMBERT B & SON	WOOLEN MILL	182/189-W	1000	WATER	8	3	400	3000	5000	2000
0007	F	LAMONT JOHN L	HARNES MANUFACT	179-S	50		.	4	1200	1500	4000	2500
0008	F-1	LANGFORD JOSEPH	WEAVING SHOP	182-W	20		.	1	75	250	600	350
0007	A-2	LANGSTON T	WAGONMAKER SHOP	329	100		.	1	300	100	500	400
0007	F	LARGE H & CO	BREWERY	109-B	5000	STEAM	8	3	1000	2775	4700	1925
0007	F	LAULER JOHN D & S	CARRIAGE FACTORY	329	4000		.	13	3000	3500	10000	6500
0007	G-2	LAWSON DAVID	BOOT/SHOE SHOP	174	50		.	1	.	350	800	450
0007	F	LEGALIE THOMAS	FLOUR/GRIST MILL	105	4000	STEAM	25	2	500	7500	11000	3500
0007	C-1	LEITCH WILLIAM	TAILOR	243	150		.	2	400	1000	2184	1184

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0008	D-2	LIDDLE JOSEPH	GRIST MILL	105	4000	WATER	30	1	500	.	.	.
0007	B	LILLEY EDWARD	CARRIAGES/BLACKS	329	2000	.	.	4	1500	.	3600	.
0008	E-1	LIVINGSTON JOHN	WAGON/CARRIAGE	E 329	1500	.	.	3	300	400	1460	1060
0007	C-2	LOTAN JOSEPH	WAGONMAKER	329	250	.	.	2	400	150	660	510
0007	B	LOXLEY CHARLES	WAGON SHOP	329/315	100	.	.	1	.	.	120	.
0007	B	LOXLEY MRS CHAR	BAKE SHOP	107	50	.	.	1	.	1800	1920	120
0007	C-1	LUMLEY H BRUCE	HARNESS SHOP	179-S	500	.	.	2	529	700	1400	700
0008	E-5	MACGUIRE THOMPSON	BLACKSMITH SHOP	309/311	150	.	.	2	768	200	2000	1800
0007	D-1	MACKEY THOMAS	BRICK YARD	351-B	100	HORSE	1	7	135	100	1700	1600
0007	C-3	MALCOLM HENRY	SHOEMAKER SHOP	174	30	.	.	1	150	250	1450	1200
0007	E-2	MALCOLM WALLACE	CARPENTER SHOP	421-C	75	.	.	2	300	350	1200	850
0007	G-2	MALLOCK JOHN	CABINETMAKER	261	200	.	.	1	.	17	100	83
0008	E-3	MANN AMBROSE	BLACKSMITH FORGE	896	400	.	.	1	150	200	700	500
0008	D-3	MARSH JACOB	SAW MILL	251	1000	WATER	20	3	400	750	1600	850
0008	D-3	MARSH JOHN	CABINET SHOP	261	400	WATER	2	1	.	100	200	100
0008	C-1	MARSH WILLIAM	GRIST MILL	105	2000	WATER	30	1	200	2200	3200	1000
0007	F	MARSHALL JOHN	MERCHANT TAILOR	242	1000	.	.	3	1500	1500	3000	1500
0007	A-1	MATASHEAD GEORGE	BOOT/SHOE STORE	174	300	.	.	1	350	400	1200	800
0007	C-2	MATHERS ABRAHAM	BLACKSMITH FORGE	896	50	.	.	1	30	15	80	65
0008	D-1	MATHEWSON JAMES	CARPENTER SHOP	259	200	.	.	1	.	76	200	124
0008	F-3	MATTHESON WILLIAM	WATCHMAKER/JEWEL	392	500	.	.	1	140	.	2000	.
0008	B-2	MATTHEWS JOHN	BLACKSMITH FORGE	896	200	.	.	1	.	75	250	175
0008	B-3	MAYBURY T A	TAILOR/MILLINERY	242/249-M	100	.	.	9	800	2500	3700	1200
0008	D-1	MCARTHUR DONALD	TILE MANUFACTORY	351-B	600	HORSE	2	3	300	240	1200	960
0007	F	MCBRIDE JOHN	CARRIAGE FACTORY	329	1700	.	.	18	4000	4000	10000	6000
0008	E-1	MCBRIDE MALCOLM	BOOT/SHOE MAKING	174	1000	.	.	6	1600	3000	5250	2250
0007	B	MCCALVY ROBERT	TAILOR SHOP	243	.	.	.	2	75	1300	1550	250
0007	F	MCCOLL HUGH	PRINTING/PUBLISH	289	2500	.	.	6	1500	1800	5000	3200
0007	C-2	MCCOLL SAMUEL	CLOTH MANUFACTORY	182-W	.	.	.	1	.	100	300	200
0008	D-3	MCCOLL R S	WAGON SHOP	329	200	.	.	1	.	42	200	158
0008	B-2	MCCUSH MURDOCH	BLACKSMITH FORGE	896	400	.	.	2	40	400	750	350
0008	B-3	MCDONALD RONALD	TAILOR SHOP	242	65	.	.	2	120	250	500	250
0008	E-1	MCEWAN JOHN	WEAVING	182-W	25	.	.	1	.	20	70	50
0008	D-2	MCEWEN DONALD	CHEESE FACTORY	104	150	.	.	1	100	500	700	200
0007	F	MCGARVEY JOHN	CARRIAGE FACTORY	329	800	.	.	8	1800	1800	4400	2600
0008	F-1	MCGEE WILLIAM	WAGON MAKING SHO	329	200	.	.	2	350	150	600	450
0008	B-3	MCINNIS DOUGALD	BLACKSMITH FORGE	311	400	.	.	2	600	200	1100	900
0008	B-3	MCINNIS FINLEY	BLACKSMITH FORGE	896	65	.	.	1	.	200	350	150
0007	F	MCINTOSH C H	PRINTING/PUBLISH	289	3000	STEAM	4	8	2000	2500	6000	3500
0008	B-3	MCINTOSH MARY	WEAVER	182-W	10	.	.	1	.	.	100	.
0008	B-3	MCINTOSH MARY	HANDLOOM	182-W	10	.	.	1	.	100	150	50
0008	E-1	MCINTOSH MRS WM	MILLINERY/DRESSM	244/249-M	.	.	.	2	.	300	600	300
0008	E-1	MCINTOSH WILLIAM	BUILDER SHOP	421-C	2500	HORSE	2	6	2500	1750	3675	1925
0007	B	MCINTYRE ALEXAND	TAILOR SHOP	243	60	.	.	1	100	895	1404	509
0007	A-2	MCINTYRE ALEXANDE	BLACKSMITH SHOP	309	100	.	.	1	.	110	400	290
0008	B-3	MCINTYRE CATHERIN	HANDLOOM	182-W	9	.	.	1	.	.	100	.
0008	C-2	MCINTYRE MALCOLM	CHEESE FACTORY	104	200	.	.	0	.	.	.	.
0008	D-3	MCKAY ALEXANDER	BLACKSMITH FORGE	896	60	.	.	1	.	100	200	100
0008	C-2	MCKAY BETSY	WEAVING SHOP	182-W	5	.	.	1	.	60	120	60
0008	C-1	MCKEITH PETER	SHOE SHOP	174	80	.	.	2	250	600	900	300
0008	C-1	MCKENZIE DONALD	SHOE SHOP	174	100	.	.	3	300	800	1200	400

MIDDLESEX COUNTY: ALL FIRMS BY NAME OF PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0008	B-3	MCKINNON NEIL	SHOE SHOP	174	200		.	3	800	1500	2300	800
0008	C-3	MCKINNON GREGORY	POT ASHERY	378-P	150		.	2	150	84	160	76
0008	B-1	MCLACHLAN JOHN	BLACKSMITH FORGE	896	80		.	1	120	98	400	302
0008	D-2	MCLEAN DONALD	CHEESE FACTORY	104	200		.	1	100	450	600	150
0008	D-3	MCLEAN JAMES	SHOEMAKER SHOP	174	5		.	1	.	100	200	100
0008	B-3	MCLELLAN DAVID	CABINET FACTORY	261	100		.	1	.	150	300	150
0008	D-1	MCLELLAN A D	BLACKSMITH SHOP	896	1200		.	2	300	300	1200	900
0008	E-1	MCLELLAN CHRISTIA	WEAVING	182-W	10		.	1	.	80	450	370
0008	C-3	MCLELLAN JOHN	BLACKSMITH SHOP	896	200		.	1	.	100	600	500
0007	D-1	MCMAHON JOHN	SAW MILL	251	2500	STEAM	25	6	1400	4200	42000	37800
0007	F	MCMARSHALL THOMAS	TAILORING EST	242	100		.	3	350	500	1800	1300
0007	C-3	CMILLEN JOHN	WEAVER	182-W	20		.	1	.	175	300	125
0008	D-1	MCNEIL JAMES	BLACKSMITH SHOP	896	260		.	1	.	158	549	391
0007	C-1	MCNEIL JOHN	TAILOR SHOP	243	1200		.	5	650	600	1227	627
0008	B-3	MCPHEE DONALD	CABINET SHOP	261	80		.	1	.	55	500	445
0007	B	MCPRAE ALEXAND	CLOTHING MANUFAC	243	1500		.	2	800	2000	3800	1800
0007	C-1	MCRAE DONALD B	WAGON/BLACKSMITH	329	1300		.	4	1140	1200	2700	1500
0007	E-3	MCRAE THOMAS	TAILOR SHOP	243	30		.	1	100	130	470	340
0008	D-2	MCTAVISH A & CO	TILE FACTORY	351-B	500	HORSE	2	1	80	40	400	360
0007	A-2	MCVICAR ALEXANDER	SHOE SHOP	174	200		.	1	.	400	700	300
0008	F-2	MEADS SARAH	WEAVING	182-W	35		.	1	.	.	75	.
0007	F	MEEK & CO	SAW M/DOOR/SASH	254	5000	STEAM	25	22	7000	4000	20000	16000
0007	E-1	MERLETT JOSEPH	SHOEMAKER SHOP	174	50		.	1	200	70	300	230
0008	D-3	MERRILLS THOMAS	SHOEMAKER SHOP	174	30		.	1	.	150	250	100
0007	A-2	MERRIT WILLIAM H	HARNESS SHOP	179-S/179-T	300		.	5	600	1500	6200	4700
0007	E-4	MIDDLEMIP GEORGE	SAW/STAVE MILL	251	4300	STEAM	45	11	3300	9000	18000	9000
0007	G-2	MILBOURN JOHN	CHARCOAL	379-H	.		.	2	200	75	360	285
0007	E-3	MILLS CHARLES J	BARREL FACTORY	259-C	1000		.	20	8000	3500	12000	8500
0007	F	MILNER WILLIAM	BENDING FACTORY	329-P/259-W	1500	STEAM	5	2	800	1500	3000	1500
0007	G-2	MILNER JOHN & HEN	CHEESE FACTORY	104	600		.	2	170	.	480	.
0008	D-1	MITCHELL WILLIAM	HARNESS SHOP	179-S	100		.	1	.	160	350	190
0008	F-1	MITCHELL ALEXANDE	GRIST/CARDING MI	105/189-W	4400	STEAM	26	6	1878	20000	22000	2000
0007	A-2	MITCHELL DUNCAN	SAW MILL	251	600		.	1	200	200	500	300
0008	A-2	MOLASKY DANIEL	BLACKSMITH SHOP	329	250		.	2	.	120	500	380
0007	E-2	MOORE GEORGE	BLACKSMITH FORGE	896	50		.	2	.	500	1200	700
0007	G-2	MOORE JAMES	HARNESSMAKER	179-S	100		.	1	.	400	1000	600
0007	F	MORRISON PETER	TAILORING EST	242	500		.	7	800	1800	3500	1700
0007	B	MUDFORD EDWARD	SHOE SHOP	174	60		.	1	.	.	960	.
0008	D-1	MUNCH GEORGE	BLACKSMITH SHOP	896	100		.	1	75	100	700	600
0008	E-1	MUNRO ANGUS	BUILDING SHOP	329/421-C	800		.	5	500	668	2200	1532
0008	B-3	MUNRO BROS	MILLINERY SHOP	244/249-M	50		.	2	200	850	1200	350
0007	B	MUNROE DUNCAN	BLACKSMITH FORGE	896	480		.	3	300	500	1600	1100
0008	F-3	MURPHY MATTHEW	GRIST MILL	105	1500	STEAM	10	1	300	1500	1950	450
0008	B-3	MURRAY THOMAS S	WEAVING FACTORY	182-W	100		.	1	200	150	350	200
0008	D-1	MURRY GEORGE	GRIST MILL	105	2500	WATER	20	2	250	7800	8477	677
0007	E-3	NAGLE WASHINGTON	BLACKSMITH SHOP	896	150		.	1	250	70	400	330
0008	C-2	NEFF J H	SAW MILL	251	1200	STEAM	16	2	207	2000	3200	1200
0008	F-3	NEVIL JOHN	BLACKSMITH SHOP	896	100		.	1	140	300	800	500
0008	B-3	O'BRIEN HENRY	HARNESS SHOP	179-S	500		.	2	300	600	1000	400
0007	F	O'BYRNE BERNARD	SASH/DOOR/BLIND	254	1000		.	12	4000	5000	10000	5000
0008	F-3	O'MEARA MARGARET	WEAVING	182-W	30		.	1	.	.	.	.

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0008	F-1	ORMERN HUGH ?	BLACKSMITH SHOP	896	100		.	2	510	450	1050	600
0007	G-2	PAINE BENJAMIN	BOOT/SHOE FACTOR	174	500		.	2	.	800	2000	1200
0007	E-3	PAINE JOHN	BOOT/SHOE SHOP	174	500		.	2	400	1000	2000	1000
0007	G-1	PARKER HIRAM	BLACKSMITH FORGE	896	100		.	1	200	60	300	240
0008	C-1	PARSON JOHN	GRIST MILL	105	3000	WATER	35	2	300	3750	5725	1975
0008	C-1	PARSON JOHN	CARDING MILL	189-W	800	WATER	6	1	100	1050	1200	150
0008	C-1	PARSON JOHN	SAW MILL	251	1000	WATER	20	1	100	400	600	200
0007	G-1	PARSONS THOMAS	BLACKSMITH FORGE	896	60		.	1	50	20	60	40
0007	G-2	PATRICK JOSIAH	RAKE FACTORY	311/315	500		.	1	124	50	260	210
0008	A-2	PAUNIL WILLIAM ?	BRICK YARD	351-B	200	HORSE	2	9	1000	20	2000	1980
0008	E-5	PAXTON ANDREW	BLACKSMITH SHOP	309/311	180		.	1	300	100	1000	900
0007	G-2	PEACOCK CHARLES	BOOT/SHOE FACTOR	174	200		.	3	500	1000	2500	1500
0008	B-3	PHIPPEN BROS	SAW MILL	251	5000	STEAM	30	7	3100	3000	6700	3700
0008	B-3	PHIPPEN BROS	SASH/DOOR/TURNIN	254/261	.		.	3	400	940	1360	420
0007	F	PIKE CHARLES	TAILORING EST	242	600		.	3	400	750	1500	750
0007	F	PINCOMB RICHARD	FLOUR/GRIST MILL	105	10000	W/S	50	6	1500	50000	53000	3000
0007	F	PINCOMB & POLLE	TANNERY	172	2000	STEAM	12	9	3500	10400	15000	4600
0007	E-4	PRATT JOHN	BOOT/SHOE SHOP	174	50		.	1	300	350	700	350
0008	B-2	PROCTOR E M	SAW MILL	251	5400	STEAM	30	18	3000	7000	10000	3000
0007	D-2	PURCELL ARCHIBALD	BLACKSMITH FORGE	896	150		.	1	200	65	400	335
0007	A-2	PURDY DAVID A	VENEER MANUFACTO	252	600		.	3	400	120	1000	880
0007	E-2	QUICK WILLIAM	BLACKSMITH FORGE	896	100		.	2	25	250	800	550
0008	F-3	QUIGLY DENNIS	SHOEMAKER SHOP	174	200		.	2	450	800	1400	600
0007	F	RAY SAMUEL HENRY	PHOTOGRAPH GALLE	893	450		.	3	1000	600	2700	2100
0008	B-3	RAYMOND ALEXAND	BLACKSMITH FORGE	896	400		.	1	300	50	400	350
0007	E-2	RAYMOND FREDRICK	SHOEMAKER EST	174	50		.	2	.	500	1000	500
0007	F	REID JOHN	CARRIAGE FACTORY	329	700		.	4	1800	5000	8000	3000
0007	F	REMEY A R	WATCHMAKING/JEWE	392	100		.	2	420	100	1400	1300
0008	C-1	REVINGTON DAVID ?	SADDLE SHOP	105/251	200		.	2	300	480	900	420
0008	E-2	RICE GILBERT	GRIST/SAW MILL	179-S	1000	WATER	.	1	.	6100	6870	770
0008	E-2	RICE GILBERT	WOOD SAWING MACH	259	75	HORSE	4	1	.	50	50	0
0008	F-2	RICE LOREN	CARRIAGE FACTORY	329	200		.	1	.	270	2210	1940
0008	A-2	RICHARDSON BENJAM	BLACKSMITH SHOP	329-P	1000		.	3	600	250	1300	1050
0007	D-1	RICHARDSON JOHN	BRICKS/POTTERY	351-B/351-P	700	STEAM	4	2	290	32	1400	1368
0008	A-1	RICHARDSON LEWIS	CHEESE FACTORY	104	1200		.	3	400	5600	7600	2000
0008	D-1	RICHZ JAMES	SHOE SHOP	174	20		.	3	600	1580	2300	720
0007	B	RIELLY FRANCIS	CABINET/JOINER	261	500	HORSE	1	2	.	100	600	500
0008	F-3	ROBBINS ORLANDO	PUMP FACTORY	315-P	400	HORSE	1	1	450	185	900	715
0008	F-3	ROBBINS ORLANDO	ASHERY	378-P	900	HORSE	1	3	900	320	2880	2560
0007	C-3	ROBERTS GEORGE	COOPER SHOP	259-C	40		.	1	.	50	300	250
0007	G-2	ROBERTSON CHARLES	BOOT/SHOE SHOP	174	200		.	1	70	700	1500	800
0007	E-3	ROBERTSON WILLIAM	MERCHANT TAILOR	243	50		.	2	450	500	700	200
0008	E-1	ROBINSON SARAH	WEAVING	182-W	30		.	1	.	140	325	185
0007	A-1	ROBINSON THOMAS	SAW MILL	251/251-S	6000	STEAM	20	11	3000	3000	7650	4650
0008	B-2	ROBINSON WILLIAM	BLACKSMITH SHOP	896	400		.	2	.	250	600	350
0008	C-1	ROBINSON WILLIAM	BLACKSMITH FORGE	329-P	1000		.	4	900	1200	.	.
0008	D-1	ROBINSON WILLIAM	BLACKSMITH SHOP	896	150		.	1	100	.	.	.
0008	C-2	ROSE ANN	WEAVING SHOP	182-W	18		.	1	.	200	400	200
0008	D-3	ROSS WILLIAM	BLACKSMITH FORGE	896	100		.	1	.	90	300	210
0008	D-3	ROSSER JOHN	SHOEMAKER SHOP	174	100		.	1	.	250	500	250
0008	E-1	RUMOHS MRS M J ?	WEAVING	182-W	20		.	1	.	20	38	18

MIDDLESEX COUNTY: ALL FIRMS BY NAME OF PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FLXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0008	F-2	RYAN CATHERINE AN	WEAVING	182-W	20		.	1	.	15	18	3
0008	F-2	RYAN KATE	WEAVING	182-W	30		.	1	.	88	100	12
0007	G-2	SAIL AARON	DRAIN TILE FACTO	351-B	400	HORSE	2	3	250	150	450	300
0007	G-2	SANAGAN LEWIS S	COOPER SHOP	259-C	200		.	2	400	108	1000	892
0008	F-4	SAUL JOHN	GRIST MILL	105	3000	STEAM	25	1	300	15000	1850	-13150
0007	C-2	SCATES GEORGE	BRICK/TILE FACTO	351-B	200	HORSE	1	3	100	30	380	350
0007	F	SCHULTHEIS FRANK	MARBLE WORKS	353	200		.	4	600	900	1500	600
0008	F-2	SCILLIA CHARLOTTE	WEAVING	182-W	40		.	1	.	23	40	17
0007	F	SCOOT J A	STRATHROY WOOLEN	182	46000	STEAM	35	57	13000	54000	90000	36000
0008	B-3	SCOTT JOHN	WAGON SHOP	329	100		.	2	400	40	500	460
0007	G-1	SCOTT JOBE	CHEESE FACTORY	104	650		.	2	185	294	520	226
0007	C-3	SCOTT JOHN	WAGON SHOP	329	25		.	1	.	32	81	49
0008	D-2	SCOTT JOHN W	CHEESE FACTORY	104	500		.	2	200	3580	4300	720
0008	F-1	SCOTT WILLIAM	POTASH FACTORY	378-P	300		.	1	140	300	1000	700
0007	G-2	SEABROOK ARTHUR	STAVE FACTORY	251	1000	STEAM	25	7	250	650	1275	625
0008	D-1	SEATON DONALD	CHEESE FACTORY	104	450		.	5	40	1230	1644	414
0008	C-1	SHAFF WILLIAM	BLACKSMITH FORGE	329-P	200		.	3	300	480	1000	520
0008	C-1	SHAFF WILLIAM	WAGON MAKING SHO	329/311	300		.	2	400	300	800	500
0007	B	SHAW JAMES	CABINET SHOP	261	250		.	1	.	50	300	250
0007	B	SHAW JAMES	CABINET SHOP	261/258	25		.	1	.	30	300	270
0007	B	SHEPPARD WILLIAM	HARNES SHOP	179-S	200		.	2	300	100	750	650
0008	E-1	SHERWINS WILLIAM	CABINETRY/UPHOLS	261	200		.	2	100	280	700	420
0008	C-1	SHIPLEY L G	CARDING MILL	189-W	500	WATER	5	1	100	980	1120	140
0008	C-1	SHIPLEY L G	GRIST MILL	105	3000	WATER	25	1	200	2400	3600	1200
0008	F-4	SHOELBOTTOM GEORG	WAGON SHOP	329	100		.	1	50	144	240	96
0008	E-1	SHOFF MRS A E	MILLINERY/DRESSM	249-M/244	300		.	2	50	300	650	350
0008	D-1	SHOTWELL BENJAMIN	GRIST MILL	105	4000	WATER	40	2	300	7200	8000	800
0008	D-3	SHOTWELL WILLIAM	SHOEMAKER SHOP	174	30		.	1	.	50	125	75
0007	E-4	SIMMONS GEORGE	BLACKSMITH SHOP	896	200		.	1	300	200	500	300
0007	E-4	SIMMONS NELSON	GRIST MILL	105	3500	STEAM	17	2	600	30000	32500	2500
0008	E-3	SIMPSON RICHARD	BLACKSMITH FORGE	896	500		.	2	100	250	800	550
0008	E-4	SLACK GEORGE	GRIST MILL	105	1300	WATER	8	1	.	3099	6000	2901
0008	F-3	SMART ALFRED	PHOTOGRAPH GALLE	893	800		.	4	300	100	500	400
0007	B	SMITH DONALD	BLACKSMITH SHOP	896	600		.	2	.	600	939	339
0008	D-1	SMITH ALEXANDER	COOPER SHOP	259-C	50		.	2	112	90	355	265
0007	A-2	SMITH ANDREW	BLACKSMITH/WAGON	329	500		.	1	300	120	850	730
0008	B-3	SMITH ANN	WEAVER	182-W	11		.	2	.	170	210	40
0008	A-1	SMITH JOHN	BLACKSMITH FORGE	896	220		.	2	200	160	520	360
0008	E-4	SMITH JOHN	BRICK/DRAIN FACT	351-B	800	HORSE	4	8	600	1000	2000	1000
0008	B-3	SMITH MARY	HANDLOOM	182-W	10		.	1	.	110	180	70
0007	D-2	SMITH WILLIAM	WAGON/BLACKSMITH	329	400		.	5	320	145	800	655
0007	C-1	SMYTH GEORGE	CARPENTER SHOP	421-C	1400		.	3	800	2000	24000	22000
0007	F	SNELL THOMAS	BREWERY	109-B	2000	STEAM	5	3	500	765	4200	3435
0007	E-2	SNELGROVE WILLIA	BLACKSMITH SHOP	896	50		.	2	100	250	700	450
0007	E-3	SPENCE SMITH	BLACKSMITH SHOP	896	200		.	2	500	120	700	580
0007	C-1	SPURR JOHN	BOOT/SHOE STORE	174	2000		.	4	1640	2000	4000	2000
0008	F-2	STANLEY DWIGHT &	GRIST MILL	105	10000	STEAM	40	4	1240	48000	53000	5000
0008	F-2	STANLEY ELLEN	WEAVING	182-W	20		.	1	.	47	60	13
0008	D-1	STEEL DANIEL	CARPENTER SHOP	421-C	700		.	5	900	3500	5500	2000
0007	C-1	STEINHOFF FINLEY	GRIST MILL	105	4000	STEAM	30	2	530	4500	5950	1450
0007	C-1	STEINHOFF JACOB	SHOE SHOP	174	100		.	1	200	150	400	250

MIDDLESEX COUNTY: ALL FIRMS BY NAME OF PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0007	B	STEVELY WILLIAM	TIN/HARDWARE STO	304-T	4000			5	1200	3000	6000	3000
0007	F	STEVENSON ALEX	HARNES FACTORY	179-S	300			3	800	1000	2500	1500
0008	F-1	STEWART ALEXANDER	SADDLER SHOP	179-S	100			2	300	620	700	80
0008	B-3	STREETER HENRY	TANNERY	172	200	HORSE	1	2	165	250	550	300
0007	D-1	SUTHERLAND DAVID	SAW MILL	251	3000	W/S	25	3	270	750	2000	1250
0007	D-2	SUTHERLAND J G	FLOUR/SAW/WOOLEN	105/251	20000	W/S	80	17	2500	45600	10000	-35600
0007	E-4	SUTHERLAND JOHN	BOOT/SHOE SHOP	174	550			7	420	600	1200	600
0007	F	SUTHERLAND ROBERT	MERCHANT TAILOR	242	200			1		1000	1700	700
0007	C-2	SUTTON ANTONY C	BLACKSMITH FORGE	896	250			2	125	100	500	400
0008	F-2	TAYLOR WILLIAM	TAILOR SHOP	243	120			2	200	2950	3000	50
0007	F	THOMPSON GEORGE	SOAP/POTASH MF	376/378-P	500			3	400	800	1600	800
0008	E-3	THOMPSON JAMES	WAGON SHOP	329	200			1		50	500	450
0007	A-1	THORBURN THOMAS	CABINET SHOP	261	200			1		156	1100	944
0007	F	TOMLINSON ROBERT	SOAP/POTASH FACT	376/378-P	1000			2	500	1000	3400	2400
0007	G-1	TRUSCOTT STUART	BOOT/SHOE SHOP	174	50			1	300	200	500	300
0008	F-2	TURNER C & E	LIME KILN	358-L	20			2	20	18	140	122
0007	G-2	UPTTIGROVE WILLIA	CARRIAGE SHOP	329	75			1		10	25	15
0007	G-2	VANDERVEER DAVID	BLACKSMITH/WAGON	329	500	HORSE	2	6	1520	1200	2900	1700
0007	F	VANSTADEN & CO	SPOKE/HUB FACTOR	329-P	7000	STEAM	16	20	7000	10000	20000	10000
0007	E-2	WADSWORTH THOMAS	CARPENTER/BUILDE	421-C	150			4		750	1500	750
0007	A-1	WAIT A P	SAW MILL	251	4000	STEAM	25	6	2000	500	4600	4100
0008	B-3	WALKER ANN	HANDLOOM	182-W	12			1			130	
0008	A-1	WALKER ROBERT	BLACKSMITH FORGE	896	100			1	200	60	300	240
0008	D-3	WALTERS JAMES	SHOEMAKER SHOP	174	50			0		400	800	400
0007	B	WARD ELIZABE	DRESS MAKING SHO	244/249-M	500			3	250		2500	
0007	B	WARD JOHN	CABINET FACTORY	261	1000	WATER	10	3	150	200	1500	1300
0007	B	WARD MRS SELOME	MILLINER SHOP	249-M	200			3	80	200	400	200
0007	F	WATKINS JOHN	BLACKSMITH SHOP	896	100			2	300	500	1200	700
0007	A-1	WATTEWORTH JOSEP	BRICK YARD	351-B	400	HORSE	2	3	300		1500	
0008	E-1	WAUGH ROBERT	BRICK MAKING EST	351-B	500			9	1350	50	1925	1875
0007	G-1	WEEKES THOMAS	CHEESE FACTORY	104	700			2	100	420	720	300
0008	C-1	WELLING MATTHEW	GRIST MILL	105	3000	WATER	40	2	500	2400	3600	1200
0008	A-1	WEST JOHN	SHOE SHOP	174	200			1	300	100	350	150
0008	E-1	WEST SAMUEL	TAILORING EST	243	20			2		200	2000	500
0008	C-1	WESTCOT JAMES	GRIST MILL	105	2000	WATER	20	1	100	1500	2000	500
0008	C-1	WESTCOT JAMES	SAW MILL	251	2000	STEAM	20	1	250	3000	2950	-50
0008	C-1	WESTCOT JAMES	CABINET FACTORY	261	120			1				
0007	C-3	WESTON WILKINSON	BLACKSMITH SHOP	896	25			1		5	70	65
0007	E-2	WHEATLEY ROBERT	COOPERAGE	259-C	100			1		200	700	500
0008	F-1	WHITE DAVID G	SHOE SHOP	174	50			1	300	350	800	450
0008	A-2	WHITTING JOHN	WAGON SHOP	329	100			1		60	600	540
0008	F-2	WILSON HOWARD	CABINET FACTORY	261	300			3		266	800	534
0007	B	WILSON GEORGE	TURNING LATHE SH	259-W	200			1	175	25	200	175
0008	E-2	WINDSOR LYMAN	BLACKSMITH FORGE	896	200			1	50		300	
0008	E-3	WINSOR LYMAN	BLACKSMITH FORGE	896	500			1	100	150	800	650
0007	A-1	WOOD J E	SASH/DOOR FACTOR	254	4000	WATER	12	3	600	800	2500	1700
0008	D-1	WOODHULL CHARLES	SAW MILL	251	400	WATER	20	1		80	160	80
0007	F	WRIGHT JAMES	BOOT/SHOE FACTOR	174	500			7	3000	2000	6000	4000
0007	B	YORKE WILLIAM	CHEESE FACTORY	104	900			2	360	4680	5720	1040
0008	F-2	YOUNG ELIZA	WEAVING	182-W	29			1		85	100	15
0007	G-2	YOUNG GEORGE	COOPER SHOP	259-C	40			1			40	
0008	D-1	YOUNG JAMES	CLOTH MANUFACTOR	182	3000	WATER	15	7	470	3600	7200	3600
0007	B	YOUNG JOHN	BOOT/SHOE STORE	174	1000			4	800	1680	5000	3320
0008	D-3	ZAVITZ GEORGE	BLACKSMITH FORGE	896	40			1			50	
0008	D-3	ZAVITZ JAMES	CHEESE FACTORY	104	700			3	280	2487	3075	588
0008	D-1	ZIMMERMAN JOHN	SAW MILL	251	1500	STEAM	30	4	400	400	1600	1200
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										541981	277494	659946
										941401	1620506	659946

CITY OF LONDON: ALL FIRMS BY NAME OF PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0010	D	ABBOTT & BROS	CARRIAGE FACTORY	329	9500		.	17	5000	3018	14000	10982
0010	C-1	ANDREWS BROS	MELODEON MANUFAC	399-P	7000		.	17	7500	8600	30000	21400
0010	B	ARSCOTT RICHARD	TANNERY	172	3000	STEAM	25	7	2548	16000	32000	16000
0010	G	AUTHESON JOHN	LIME KILN	358-L	1000		.	2	340	288	1040	752
0010	C-1	AYERS CHARLES F	TRUNK FACTORY	179-T	500		.	2	220	1150	2200	1050
0010	C-1	BALL JOHN	TAILOR SHOP	243	200		.	1	.	800	4000	3200
0010	B	BEATTIE T & J	MILLINERY	249-M	10000		.	15	2680	20000	28000	8000
0010	C-1	BEHILL MARGARE	LADIES OUTFITTING	244	400		.	7	450	400	600	200
0010	B	BELTZ EDMUND	HATTER/FURRIER	246	700		.	10	2400	3600	9000	5400
0010	C-1	BENNET CHARLES	CABINET MANUFACT	261	2000		.	9	2550	225	5000	4775
0010	C-1	BILTON BROS	SODA WATER	109-S	1500		.	2	1200	300	3000	2700
0010	D	BLACKBURN J & S	PUBLISHER/PRINTE	289	20000	STEAM	6	30	9000	8000	20000	12000
0010	B	BONSER ALEXAND	PAINTER/GLAZIER	421-D/421-G	2000		.	2	900	1200	3000	1800
0010	D	BOOTH RICHARD	SHOEMAKER	174	700		.	3	1000	1000	3000	2000
0010	D	BOYD ROBERT	TAILOR/CLOTHIER	243	3000		.	12	3700	6000	10000	4000
0010	B	BRAGG FREDERI	COOPER SHOP	259-C	100		.	3	1152	600	2000	1400
0010	A	BROADBENT & CO	CARPENTER SHOP	421-C	5000	STEAM	25	40	15000	21000	45000	24000
0010	E	BROWN THOMAS	BOILER WORKS	301	400		.	7	2340	700	3100	2400
0010	A	BRUMMIT REUBEN	CARRIAGE SPRING	329-P	1000		.	2	800	3500	5000	1500
0010	C-1	BURKE EDWARD	PHOTOGRAPH GALLE	893	1200		.	1	60	200	2000	1800
0010	D	BURNS GEORGE	READY-MADE CLOTH	242	8000		.	46	12000	30000	40000	10000
0010	B	BURRIDGE & CO	BOOT/SHOE MF	174	1000		.	12	2390	4000	12000	8000
0010	D	CAMERON J & BROS	PUBLISHER/PRINTE	289	10000	STEAM	8	55	12000	12000	30000	18000
0010	A	CAMPBELL JOHN	CARRIAGE FACTORY	329	5000		.	34	5000	12300	30000	17700
0010	F	CARLING WM & JO	BREWERY	109-B	50000	STEAM	10	20	6000	31500	55000	23500
0010	A	CARSON & CO	PORK PACKING HOU	101-P	40000	STEAM	12	34	5000	98000	119000	21000
0010	B	CHAPMAN CHARLES	BOOK BINDING EST	287-B	1000		.	7	1500	3000	5000	2000
0010	B	CHARNOCK ELIZA	DRESSMAKING	245/244	32		.	1	100	1000	1750	750
0010	B	CHINNERY MARY	DRESSMAKER/MILLI	244/245	.		.	4	50	1500	2000	500
0010	A	CITY GAS COMPANY	GAS WORKS	574	60000		.	9	3308	5924	19039	13115
0010	E	CLARK ALEXAND	SHOE MAKING EST	174	200		.	2	200	500	700	200
0010	A	COOMBS HENRY	CABINET FACTORY	261	5000		.	7	2500	900	2400	1500
0010	D	COOPER JOHN	PHOTOGRAPHER	893	3000		.	3	1350	1000	4000	3000
0010	A	COUSINS JAMES	PUMP/FANNING MIL	315-P/311	5000	STEAM	25	14	5000	1750	13500	11750
0010	A	COUSINS & CO	COOPERAGE	259-C	4000		.	15	6000	9600	19750	10150
0010	C-1	COWPER FRANK	ART GALLERY	862	1000		.	3	450	700	1600	900
0010	E	CRAWFORD/ROBINSON	IRON FOUNDRY	311	15000	STEAM	20	22	5000	6000	20000	14000
0010	A	DARCH JANE	HARNES FACTORY	179-S	1000		.	6	1800	2400	9000	6600
0010	C-1	DART ROGER	CARRIAGE FACTORY	329	3000		.	10	2250	1310	4400	3090
0010	A	DARVILL DAVID	FOUNDRY/MACHINE	294/315	5000	STEAM	8	10	3750	7500	14000	6500
0010	C-1	DAVIS DAVID	BLACKSMITH SHOP	311	200		.	3	350	60	1700	1640
0010	B	DEAN WILLIAM	BAKERY	107	1000		.	2	500	6000	7150	1150
0010	E	DENHAM DAVID	CARPENTER/BUILDE	421-C	3000		.	12	4000	3000	20000	17000
0010	C-1	DENNIS ROWLAND	BLACKSMITH SHOP	896	600		.	2	500	400	2000	1600
0010	B	DENTON J M	TAILORING	242	600		.	12	5760	12000	20000	8000
0010	B	DOVE JAMES	CARPENTER SHOP	254/266	218		.	1	350	300	700	400
0010	A	DOYLE JOHN	HARNES FACTORY	179-S	3000		.	10	2500	4000	8000	4000
0010	C-1	DRANGER & MEYER	TAILORING SHOP	243	1000		.	4	350	3000	5000	2000
0010	C-1	DUNBAR J & W	BLACKSMITH SHOP	896	1000		.	2	800	800	2000	1200
0010	A	DUNN JAMES	HARNES FCY/SADD	179-S	1000		.	6	1800	6000	11000	5000
0010	C-1	DURAND WILLIAM	BOOTS/SHOES	174	1000		.	8	2000	2500	7500	5000

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0010	C-1	DYSON	WILLIAM	TIN/COPPERSMITH	304-T	3000	.	7	1764	4000	7850	3850
0010	D	EDDLESTON G	TINSMITH	304-T	700	700	.	3	1200	7000	10000	3000
0010	B	EDWARDS	JOHN	TINSMITH	304-T	1000	.	3	936	1500	3000	1500
0010	B	EGAN	JAMES	PHOTOGRAPHIC GAL	893	1500	.	2	500	1000	2500	1500
0010	C-1	ELDRIDGE	JOHN	BAKERY	107	500	.	3	300	1200	1800	600
0010	C-2	ELLIOTT	JOHN	AGRC IMPLEMENT M	311	12000	12	34	16000	6500	56000	49500
0010	B	ELMS GEORGE & SON	CARPENTER/JOINER	259	1500	1500	.	4	1200	2260	5000	2740
0010	A	FERGUSON J & CO	PORK FACTORY	101-P	30000	30000	.	30	6000	76302	95980	19678
0010	C-1	FERGUSON JOHN	FURNITURE/UPHOLS	261	7000	7000	12	23	18000	9450	50000	40550
0010	A	FITZGIBBON JAMES	BAKERY	107	2000	2000	.	1	300	5400	7500	2100
0010	D	FRASER	DONALD	BLACKSMITH FORGE	896	800	.	3	1100	750	2500	1750
0010	D	FYSH	HEWITT	BISCUIT/CANDY MF	107/108-C	10000	.	9	2100	6550	15500	8950
0010	A	GLEN	JAMES	TAILOR SHOP	242	4000	.	21	7500	2000	20000	18000
0010	C-1	GOLDNER	JOSEPH	TAILOR SHOP	243	500	.	15	750	1000	3000	2000
0010	C-1	GOODACRE	EDWIN	TURNING SHOP	259-W	1600	6	4	1000	220	1500	1280
0010	B	GORDON	JANE	DRESSMAKING	244	32	.	3	120	3000	3700	700
0010	C-1	GOULD & JONES	TAILOR/CLOTHIER	242	500	75	.	2	350	1500	3000	1500
0010	C-2	GRANGER	AUGUSTU	BASKETMAKER	256	6000	.	1	375	100	175	75
0010	B	GRANT	ANGUS	CARPENTER SHOP	421-C	3000	.	5	2250	5150	8500	3350
0010	G	GRANT	CHARLES	HAME FACTORY	179	3000	4	5	1500	100	2000	1900
0010	B	GRAY	GEORGE	PLOUGH FCY/FOUND	311	5000	.	6	2160	2494	7200	4706
0010	C-1	GREAT WESTERN RLW	LOCOMOTIVE SHOP	326	20000	20000	35	34	12786	2330	20000	17670
0010	C-1	GREEN	HENRY	PUMP FACTORY	315-P	1000	2	8	3000	900	7000	6100
0010	C-1	GREEN	THOMAS	SASH/DOOR/BLIND	254	15000	25	31	12000	6000	32000	26000
0010	B	GREEN CROFTS & CO	HOOPSKIRTS/MILLI	244/249-M	1000	1000	.	27	4000	10000	17000	7000
0010	C-1	GUNN ROBERT	BOOT/SHOE SHOP	174	100	100	.	1	300	700	1100	400
0010	C-1	GURD ROBERT	BROOM FACTORY	399-B	800	800	.	2	700	5000	7500	2500
0010	C-1	GURD JOHN & SON	GUN/RIFLEMAKER	309	3000	3000	.	2	600	100	900	800
0010	B	HAMILTON JOHN	BREWERY	109-B	1000	1000	1	2	312	750	1750	1000
0010	B	HART RICHARD & CO	SHEEP SKIN FACTO	172	500	500	.	2	.	5000	13350	8350
0010	B	HARVEY T & A	CARPENTER/BUILDE	421-C	1200	1200	6	6	2592	1500	8000	6500
0010	B	HARWOOD THOMAS	CARPENTER SHOP	421-C	1400	1400	.	6	1280	1800	4500	2700
0010	A	HASTEAD DAVID	BREWERY	109-B	800	800	.	2	600	1250	3150	1900
0010	C-2	HAWKINS SARA	MILLINERY SHOP	249-M	10	10	.	2	50	5	150	145
0010	E	HAWKINS WILLIAM	COOPERAGE	259-C	5000	5000	16	40	18000	17500	50000	32500
0010	B	HAY	MILLINERY/DRESSM	249-M/244	200	200	.	16	1152	7000	10000	3000
0010	B	HERON JAMES	TAILORING	243	80	80	.	1	336	1200	1800	600
0010	C-1	HOBBS WILLIAM	MACHINIST/BRASS	315	500	500	.	1	450	500	1000	500
0010	B	HODGINS & MORAN	CARRIAGE/WAGON F	329	2000	2000	.	20	5000	6000	18000	12000
0010	F	HORN HENRY	CIGAR MANUFACTOR	153	40	40	.	2	350	400	1000	600
0010	E	HOSKINS RICHARD	CARPENTER/JOINER	254	1600	1600	.	15	6552	4000	12000	8000
0010	C-2	HOWARD MARY	MILLINERY SHOP	249-M	60	60	.	2	75	12	175	163
0010	G	HOWARD THOMAS	WAGONS/BLACKSMIT	329	1000	1000	.	4	800	660	1200	540
0010	B	HULL GEORGE	CARPENTER SHOP	421-C	200	200	.	2	864	1500	4000	2500
0010	C-1	HUNT ELISHA	SPRING FACTORY	329-P	400	400	.	3	500	1260	2912	1652
0010	B	HYMAN E W	TANNERY	172	25000	25000	25	10	4500	28000	36000	8000
0010	B	JAMES J	TAILOR SHOP	243	.	.	.	2	600	700	900	200
0010	B	JARMAN BENJAMI	UNDERTAKER	258/877	1000	1000	.	2	400	1500	2600	1100
0010	C-2	JONES JOHN	BREAD BAKERY	107	1000	1000	.	2	700	5000	6000	1000
0010	A	JONES WILLIAM	PORK PACKING HOU	101-P	.	.	.	22	1500	50000	80000	30000
0010	D	KELLY & BRO	MARBLE/STONE WOR	353	200	200	.	2	700	500	2000	1500

CITY OF LONDON: ALL FIRMS BY NAME OF PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0010	A	KELLY & SONS	CIGAR MANUFACTOR	153	3000		.	10	1600	3200	7100	3900
0010	C-2	KENNEDY JEREMIA	SHOE SHOP	174	50		.	1	350	475	1825	1350
0010	C-1	KERNOHAN JAMES	SODA MANUFACTORY	109-S	1000		.	2	300	500	3600	3100
0010	C-1	KIRKPATRICK ROBER	BOOTS/SOES	174	600		.	4	1000	800	1800	1000
0010	A	KOHL & ATKINS	CIGAR/TOBACCO FC	153	3000		.	5	3000	4000	5000	1000
0010	A	LABATT JOHN & CO	BREWERY/MALT HOU	109-B	25000	STEAM	8	14	4722	24300	39600	15300
0010	C-1	LAW THOMAS J	PLUMBER/GASFITTE	421-P/297	8000	STEAM	4	13	4500	1000	12000	11000
0010	C-1	LAW THOMAS J	PHOTOGRAPH	893	300		.	1	.	150	564	414
0010	C-1	LEAKE STEPHEN P	CARVER	259-G	50		.	1	150	300	1000	700
0010	B	LENNOX JAMES	TAILORING	243	800		.	6	1200	2500	4500	2000
0010	B	LENTALL THOMAS	CARPENTER SHOP	259	300		.	1	460	600	1400	800
0010	E	LEONARD ELIJAH	FOUNDRY/GRIST MI	311/301	40000	STEAM	40	25	6000	14650	31000	16350
0010	D	LEWIS ROBERT	STAINED GLASS	356	3000		.	5	1800	12600	20000	7400
0010	A	LONDON BOOT & SHO	BOOT/SOUE MF	174	12000		.	46	20000	40000	120000	80000
0010	B	LYONS ELIZABE	TAILORING	243	40		.	1	135	650	900	250
0010	E	MAGEE JOHN J	RAKE FACTORY/PLA	306/251	5000	STEAM	16	10	2400	1000	6000	5000
0010	C-1	MARCHANT JOSEPH F	BAKERY	107	200		.	1	.	1800	2110	310
0010	B	MARRS & CAMPBEL	BOOT/SOUEMAKER	174	200		.	2	600	1000	2000	1000
0010	E	MARX & CAMPBEL	POTTERY	351-P	600		.	4	1200	258	4800	4542
0010	C-1	MCBRIDE S A A	TINWARE	304-T	8000		.	5	1550	240	2400	2160
0010	A	MCCANN PHILIP	HAT/FUR EST	246	3000		.	8	1000	4000	6000	2000
0010	C-1	MCCCLARY J & O	FOUNDRY	307-S/311	50000	STEAM	25	73	30000	60000	100000	40000
0010	D	MCCORMICK THOMAS	BISCUIT/CANDY MF	107/108-C	16000		.	33	10000	299750	339875	40125
0010	B	MCGIRDY MARGARE	DRESSMAKING	245/244	32		.	2	100	250	500	250
0010	C-1	MCGURDY THOMAS	BOOTS/SOES	174	400		.	1	300	400	1500	1100
0010	C-2	MCINNIS HECTOR	BARREL FACTORY	259-C	150		.	2	700	360	1350	990
0010	B	MCINTOSH A & J G	TAILORING	243	.		.	12	3700	8000	12700	4700
0010	B	MCKELLAR JOHN M	CARRIAGE FACTORY	329	8000		.	15	3600	4000	10000	6000
0010	D	MCLAREN ANDREW	ARTIFICIAL LIMBS	391	800		.	2	700	250	1300	1050
0010	D	MCLAUGHERY/TACKAB	SADDLE/HARNESMA	179-S	2000		.	8	1800	2000	5000	3000
0010	D	MCMECHAN & CO	BOOT/SOUE FACTOR	174	25000		.	80	26000	29000	65000	36000
0010	C-1	MCPHERSON JOHN &	BOOTS/SOES	174	25000		.	122	45000	72000	120000	48000
0010	D	MILLAR J & T	TINSMITH	304-T	5000		.	7	2000	10000	15000	5000
0010	D	MILROY WILLIAM	TOY CARRIAGE FAC	393	2500	STEAM	4	6	1000	530	3300	2770
0010	B	MINTON THOMAS	PAINT SHOP	421-D	.		.	2	300	400	1100	700
0010	A	MOISSE WILLIAM	SADDLER	179-S	1000		.	1	400	300	3000	2700
0010	B	MONTAGUE ADA	DRESSMAKING	244	25		.	4	156	1200	1800	600
0010	C-1	MOORHEAD GEORGE	CABINET MANUFACT	261	100000	STEAM	10	68	30000	40000	150000	110000
0010	E	MORREL & CO	PORK PACKING EST	101-P	6000	STEAM	10	20	3000	94000	120000	26000
0010	B	MORRISON T & J	BLACKSMITH/WAGON	329/896	3000		.	4	550	800	2900	2100
0010	E	MUIRHEAD & GREY	DOMINION OAT MIL	105-O	3000	STEAM	16	2	500	10000	11000	1000
0010	C-1	MULLIN JOHN	CABINETMAKING	261	300		.	1	.	40	300	260
0010	B	MUMERY STEPHEN	TAXIDERM	899	500		.	4	450	350	1300	950
0010	D	MURRAY ALEXAND	BUILDER	421-C	1000		.	4	1500	800	3000	2200
0010	A	MUSTILL JOHN	BLACKSMITH SHOP	309	500		.	1	200	375	1800	1425
0010	E	NESBITT IRWIN	COOPERAGE	259-C	5000		.	26	7200	4500	20000	15500
0010	D	NITSCHKE JOHN ?	PIANO MANUFACTOR	399-P	10000		.	6	2400	600	4000	3400
0010	B	NOADES MARY A	TAILORING	243	75		.	3	3000	2000	3700	1700
0010	C-2	O'MALLEY AUSTIN	COLLAR SHOP	179-S	100		.	2	1000	2250	2250	0
0010	B	PARKINSON THOMAS	TAILORING	243	60		.	2	140	2200	3000	800
0010	C-1	PAVEY & BROS	CARRIAGE SHOP	329	6000		.	17	3120	3840	12450	8610

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0010	D	PEEL	THOMAS	243	5000		.	14	3000	5000	10000	5000
0010	B	PEEL JOHN R	TAILOR	353	2000		.	6	2392	2500	6000	3500
0010	B	PERRIN	MARBLE WORKS	108-C	3500		.	29	6000	33880	44500	10620
0010	B	PETERS	CONFECTIONERY	108-C/107	500		.	3	550	897	2500	1603
0010	B	PHILLIPS	GEORGE	105	16000	WATER	.	8	3000	75000	91850	16850
0010	B	PICKERING	LETITIA	245/244	1600		.	14	900	11000	13500	2500
0010	C-1	PLATT WILLIAM	DRESSMAKING	329	600		.	6	2000	900	2800	1900
0010	D	PLUMMER E & CO	CARRIAGE FACTORY	108-B	2000	STEAM	10	5	500	1250	2500	1250
0010	B	PLUMMER & PACY	BAKING POWDER	329	10000	STEAM	20	20	6000	8220	19660	11440
0010	C-1	POCOCK JOHN J	WAGON/HUB/SPOKE	174	700		.	4	500	700	1200	500
0010	E	QUICK JAMES	BOOTS/SHOES	315-P	150	HORSE	1	2	400	50	750	700
0010	C-1	RANAHAN JOHN	PUMP MAKING EST	107	2000		.	4	800	7800	12500	4700
0010	C-1	REGAN DANIEL	BAKERY	174	800		.	4	1500	800	2300	1500
0010	B	REID ROBERT	BOOK BINDERY MF	287-B	600		.	3	700	4000	6000	2000
0010	C-1	REWLEY JACOB	DYEING EST	189-D	150		.	1	150	250	500	250
0010	C-1	RICHARDSON THOMAS	CONFECTIONERY	108-C	800		.	1	.	1410	2350	940
0010	C-1	ROE & JUDD	CARRIAGE FACTORY	329-P/329	6000		.	13	6500	9450	17500	8050
0010	B	ROGERS EDWARD	PLUMBING/GAS FIT	421-P	4000		.	7	2500	10000	13500	3500
0010	E	ROWLAND FREDERI	PORK PACKING EST	101-P	5750	STEAM	7	30	3100	90080	108080	18000
0010	A	SEALE JAMES	COOPER SHOP	259-C	4000	STEAM	20	30	10000	2400	15000	12600
0010	C-1	SEDDON FANNY	GILDING	266	3000		.	1	.	800	4000	3200
0010	B	SIMON MINA	DRESSMAKING	245/244	40		.	1	50	600	1000	400
0010	C-2	SIMPLE ROBERT	CARPET WEAVER	186	75		.	1	180	500	1260	760
0010	B	SLATER E K	PAINT SHOP	421-D	1000		.	7	2400	1000	4000	3000
0010	C-1	SMITH CHARLES	STAVE FACTORY	251	5000	STEAM	10	8	2500	60000	75000	15000
0010	C-2	SMITH CHARLES	BARREL FACTORY	259-C	15000		.	41	18720	96000	122000	26000
0010	A	SMITH JAMES	COOPERAGE	259-C	200		.	2	300	250	1600	1350
0010	B	SMITH JAMES	PLASTER/STUCCO W	421-L	1200		.	16	5280	4600	10600	6000
0010	D	SMYTH J W	MARBLE/STONE WOR	353	4000		.	8	3500	2550	7000	4450
0010	B	SOUTHAM LUCY	DRESSMAKING	245/244	45		.	6	500	8500	10000	1500
0010	B	SPRACHLIN ELIZA	DRESS/MAINTLEMAKE	244	45		.	2	120	4780	5330	550
0010	D	SPRY ABRAHAM	TAILOR	243	3000		.	9	1500	2500	18000	15500
0010	C-2	STARR WILLIAM	POTASH/SOAP FACT	378-P/376	5000	HORSE	1	10	3500	720	6000	5280
0010	C-2	STARR WILLIAM	ICE HOUSE	108-I	3000	HORSE	1	6	2000	.	4000	.
0010	E	STEIN H & S	COOPERAGE	259-C	300		.	7	2000	1000	3000	2000
0010	C-1	STEVENSON JOHN	HARNESSE/TRUNK FC	179-S/179-T	3000		.	4	1500	3000	6000	3000
0010	B	STEWART JAMES	CARPENTER SHOP	421-C	4000		.	7	2000	8000	12000	4000
0010	D	STEWART SAMUEL	TINSMITH	304-T	4000		.	6	2500	7000	15000	8000
0010	B	STEWART BRUCE & C	CITY AGRC WORKS	311	13000	STEAM	14	25	7000	3000	27000	24000
0010	B	TAYLOR JOHN	PUMPMAKER	315-P	300		.	2	500	500	1700	1200
0010	B	TAYLOR WILLIAM	BOOT/SHOEMAKER	174	3000		.	5	2000	2000	5200	3200
0010	B	TEALE E & C & CO	MARBLE WORKS	353	1000		.	3	.	1600	3200	1600
0010	C-1	THOMPSON WILLIAM	CARRIAGE SHOP	329	6000		.	23	8000	6400	22000	15600
0010	B	THORNER J C	ARTIST	862	200		.	1	500	200	1200	1000
0010	B	TRAVES MICHAEL	CARRIAGE/WAGON S	329	200		.	2	300	615	650	35
0010	C-2	TRIMBLE GEORGE	BAKER SHOP	107	1000		.	4	900	8424	9828	1404
0010	C-2	TUCKER JOHN	BOOT/SHOE STORE	174	300		.	2	600	1500	2100	600
0010	B	TURNER S & J	CARRIAGE/WAGON F	329	700		.	11	3442	2000	6000	4000
0010	B	TYTLER JOHN	CARPENTER SHOP	259	600		.	3	1000	1200	3000	1800
0010	A	WALLACE ROBERT	TAILORING EST	242	300		.	42	10000	8000	15000	7000
0010	A	WASTIE THOMAS	PAINT SHOP	421-D	2000		.	10	2500	7000	12000	5000

CITY OF LONDON: ALL FIRMS BY NAME OF PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0010	B	WEBB	WILLIAM WINERY	109-W	1500		.	2	400	500	2000	1500
0010	C-2	WEBB	WILLIAM BLACKSMITH	329	1000		.	3	1200	.	.	.
0010	B	WESTLAKE F	CONFECTIONERY	108-C	10000	STEAM	12	16	5500	28000	35000	7000
0010	B	WESTLAKE	HOOPSKIRT MF	244	1000		.	3	500	1100	2500	1400
0010	A	WESTMAN ALFRED	JOBGING SHOP	896	300		.	1	400	50	3000	2950
0010	C-2	WESTON AMOS	PUMP FACTORY	315-P	200	HORSE	1	2	350	225	575	350
0010	D	PETER	TURNING/LATHE	259-W	1000	STEAM	4	3	800	2000	3500	1500
0010	B	WHITEHEAD BENJAMI	CARPENTER/JOINER	421-C	1000		.	15	7020	9000	17000	8000
0010	A	WILLSON & DAVIS	ASHERY	378-P/376	1500		.	5	1500	4000	6500	2500
0010	C-2	WILLSON SARA	DRESSMAKER	244	80		.	2	300	175	475	300
0010	D	WRIGHT & DURAND	SASH/DOOR FACTOR	254	10000	STEAM	16	45	15500	10000	40000	30000
0010	C-1	YELLAND EDMUND	TAILORING	243	600		.	1	.	1500	3200	1700
0010	B	YOUNG REBECCA	MILLINERY	249-M	.		.	4	250	2100	3500	1400
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					1030264		533	2296	697089	1996762	3558453	1557691

STRATHROY: ALL FIRMS BY NAME OF PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0007	F	AIKENS JOHN	CARRIAGE FACTORY	329	1000		.	10	2000	2000	6000	4000
0007	F	ATTWOOD PETER H	CABINET/BROOM FC	399-B/261	700		.	3	1200	1400	6000	4600
0007	F	AULD MRS J	MILLINERY/DRESSM	244	100		.	7	300	350	1000	650
0007	F	BAILEY THOMAS	BLACKSMITH	896	600		.	3	50	1200	2100	900
0007	F	BANGHART & BEST	SODA WATER MF	109-S	850		.	5	250	1000	3000	2000
0007	F	BASKERVILLE & BRO	UNDERTAKING/CABI	258/261	500		.	3	1000	400	3500	3100
0007	F	BELL RICHARD	TAILORING WORKS	242	100		.	4	700	800	2000	1200
0007	F	BLASHILL WILLIAM	WATCH/JEWELRY ES	392	500		.	3	450	100	1500	1400
0007	F	BOND JOHN & BRO	BAKERY	107	400		.	2	500	1500	3000	1500
0007	F	CAMERON & SON	BOOT/SHOE MF	174	1000		.	11	2600	6000	8000	2000
0007	F	CARSON SAMUEL	BOOT/SHOE FACTOR	174	100		.	2	400	700	1800	1100
0007	F	CRISPIN THOMAS	TIN/COPPER/IRON	304-T	500		.	2	300	900	1800	900
0007	F	DECOW DANIEL & SO	TANNERY/HARNES	172/179-S	5000 STEAM		10	10	2600	5500	10000	4500
0007	F	DELE HIRAM & CO ?	AGRICULTURAL WOR	259/329-P	800		.	3	800	600	1500	900
0007	F	DEWAN JAMES D	PORK PACKING	101-P	1200		.	8	1600	16000	20000	4000
0007	F	DIEM ALBERT	POTTERY	351-P	700		.	2	300	20	1200	1180
0007	F	DUBOIS	COOPERAGE	259-C	400		.	3	100	400	1000	600
0007	F	EAKINS SAMUEL	CABINET FACTORY	261	10000 STEAM		16	15	4000	5000	15000	10000
0007	F	ELLIOTT JOHN & CO	FOUNDRY/AGRC WOR	311	6000 STEAM		16	20	7500	7000	26000	19000
0007	F	FADLIER THOMAS	HARNES FACTORY	179-S	400		.	2	500	900	2000	1100
0007	F	FAWCITT BROS	PLANING/DOOR/SAS	254	8000 STEAM		18	22	5000	16000	25000	9000
0007	F	FRANCIS GEORGE	BAKERY	107	600		.	2	650	2000	4000	2000
0007	F	FRANK S & F	RAKE/SNATH/CRADL	306	5000 STEAM		20	15	3000	1000	6000	5000
0007	F	GERMAN GEORGE	BOOT/SHOE FACTOR	174	100		.	4	1200	1000	3000	2000
0007	F	HARRISON FREDERIC	CABINET FACTORY	261/258	400		.	2	700	300	4000	3700
0007	F	HARVEY JAMES	COOPERAGE	259-C	500		.	5	2000	1000	4000	3000
0007	F	HILL ROBERT	CABINET FACTORY	261/258	500		.	2	400	250	1400	1150
0007	F	HOCKEN WILLIAM	STAVE/HEADING FC	251	1000 STEAM		16	12	3500	8600	14300	5700
0007	F	IRWIN & CO	PHOTOGRAPH GALLE	893	100		.	2	.	400	1200	800
0007	F	JACKSON & CLARY	AGRC WORKS/FOUND	311/294	5000 STEAM		10	8	3750	3000	8750	5750
0007	F	JELL & FRANK	ROOF PAINTING ES	421-D	100		.	6	1000	2000	5500	3500
0007	F	KEYS JOHN	BLACKSMITH FORGE	896	200		.	2	100	60	750	690
0007	F	LAMONT JOHN L	HARNES MANUFACT	179-S	50		.	4	1200	1500	4000	2500
0007	F	LARGE H & CO	BREWERY	109-B	5000 STEAM		8	3	1000	2775	4700	1925
0007	F	LAULER JOHN D & S	CARRIAGE FACTORY	329	4000		.	13	3000	3500	10000	6500
0007	F	LEGALIE THOMAS	FLOUR/GRIST MILL	105	4000 STEAM		25	2	500	7500	11000	3500
0007	F	MARSHALL JOHN	MERCHANT TAILOR	242	1000		.	3	.	1500	3000	1500
0007	F	MCBRIDE JOHN	CARRIAGE FACTORY	329	1700		.	18	4000	4000	10000	6000
0007	F	MCCOLL HUGH	PRINTING/PUBLISH	289	2500		.	6	1500	1800	5000	3200
0007	F	MCGARVEY JOHN	CARRIAGE FACTORY	329	800		.	8	1800	1800	4400	2600
0007	F	MCINTOSH C H	PRINTING/PUBLISH	289	3000 STEAM		4	8	2000	2500	6000	3500
0007	F	MCMARSHALL THOMAS	TAILORING EST	242	100		.	3	350	500	1800	1300
0007	F	MEEK & CO	SAW M/DOOR/SASH	254	5000 STEAM		25	22	7000	4000	20000	16000
0007	F	MILNER WILLIAM	BENDING FACTORY	329-P/259-W	1500 STEAM		5	2	800	1500	3000	1500
0007	F	MORRISON PETER	TAILORING EST	242	500		.	7	800	1800	3500	1700
0007	F	O'BYRNE BERNARD	SASH/DOOR/BLIND	254	1000		.	12	4000	5000	10000	5000
0007	F	PIKE CHARLES	TAILORING EST	242	600		.	3	400	750	1500	750
0007	F	PINCOMB RICHARD	FLOUR/GRIST MILL	105	10000 W/S		50	6	1500	50000	53000	3000
0007	F	PINCOMB & POLLE	TANNERY	172	2000 STEAM		12	9	3500	10400	15000	4600
0007	F	RAY SAMUEL HENRY	PHOTOGRAPH GALLE	893	450		.	3	1000	600	2700	2100
0007	F	REID JOHN	CARRIAGE FACTORY	329	700		.	4	1800	5000	8000	3000

STRATHROY: ALL FIRMS BY NAME OF PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0007	F	REMEY A R	WATCHMAKING/JEWE	392	100			2	420	100	1400	1300
0007	F	SCHULTHEIS FRANK	MARBLE WORKS	353	200			4	600	900	1500	600
0007	F	SCOON J A	STRATHROY WOOLEN	182	46000	STEAM	35	57	13000	54000	90000	36000
0007	F	SNELL THOMAS	BREWERY	109-B	2000	STEAM	5	3	500	765	4200	3435
0007	F	STEVENSON ALEX	HARNESS FACTORY	179-S	300			3	800	1000	2500	1500
0007	F	SUTHERLAND ROBERT	MERCHANT TAILOR	242	200			1		1000	1700	700
0007	F	THOMPSON GEORGE	SOAP/POTASH MF	376/378-P	500			3	400	800	1600	800
0007	F	TOMLINSON ROBERT	SOAP/POTASH FACT	376/378-P	1000			2	500	1000	3400	2400
0007	F	VANSTADEN & CO	SPOKE/HUB FACTOR	329-P	7000	STEAM	16	20	7000	10000	20000	10000
0007	F	WATKINS JOHN	BLACKSMITH SHOP	896	100			2	300	500	1200	700
0007	F	WRIGHT JAMES	BOOT/SHOE FACTOR	174	500			7	3000	2000	6000	4000
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					154150		291	440	111120	265870	504400	238530

WARDSVILLE VILLAGE: ALL ESTABLISHMENTS BY PROPRIETOR, 1871

CDID	CED	PROPRIOR	TYPEEST	SIC	FIXCAP	TYPEPOW	FORCE	TOTEMP	WAGES	SUMRAWC	SUMPROC	VADD
0007	B	ATCHISON EBENEZ	FLOUR/GRIST MILL	105	3000	STEAM	18	2	500	3000	3500	500
0007	B	CAMPBELL ARCHIBA	TAILOR SHOP	243				1		1	84	83
0007	B	CORNEIL ADAM	CARRIAGE/WAGON F	329	1000			7	800	300	3000	2700
0007	B	DIXON HUGH	HARNESS SHOP	179-S	800			2	380	150	900	750
0007	B	FRANCES EDWARD	PHOTOGRAPH GALLE	893	4			2		548	1440	892
0007	B	FRECKELTON DAVID	BAKERY	107	500			2	400	936	947	11
0007	B	HARPER WILLIAM	FLOUR/GRIST MILL	105	7000	STEAM	40	1				
0007	B	HENDERSON & CAMPB	FOUNDRY	311/294	6000	STEAM	10	7	350	4725	6000	1275
0007	B	HEROLD THOMAS	BOOT/SHOE SHOP	174	100			2	600	600	1200	600
0007	B	HUMPHREY STEPHEN	WAGON/CARRIAGE F	329				2	400	300	1000	700
0007	B	INGLISH THOMAS	CARRIAGE/WAGON F	329	700			4	676	474	2000	1526
0007	B	JACKSON JAMES	COOPER SHOP	259-C	20			1			300	
0007	B	LILLEY EDWARD	CARRIAGES/BLACKS	329	2000			4	1500		3600	
0007	B	LOXLEY CHARLES	WAGON SHOP	329/315	100			1			120	
0007	B	LOXLEY MRS CHAR	BAKE SHOP	107	50			1		1800	1920	120
0007	B	MCCALVY ROBERT	TAILOR SHOP	243				2	75	1300	1550	250
0007	B	MCINTYRE ALEXAND	TAILOR SHOP	243	60			1		895	1404	509
0007	B	MCRAE ALEXAND	CLOTHING MANUFAC	243	1500			2	800	2000	3800	1800
0007	B	MUDFORD EDWARD	SHOE SHOP	174	60			1			960	
0007	B	MUNROE DUNCAN	BLACKSMITH FORGE	896	480			3	300	500	1600	1100
0007	B	RIELLY FRANCIS	CABINET/JOINER	261	500	HORSE	1	2		100	600	500
0007	B	SHAW JAMES	CABINET SHOP	261	250			1		50	300	250
0007	B	SHAW JAMES	CABINET SHOP	261/258	25			1		30	300	270
0007	B	SHEPPARD WILLIAM	HARNESS SHOP	179-S	200			2	300	100	750	650
0007	B	SMITH DONALD	BLACKSMITH SHOP	896	600			2		600	939	339
0007	B	STEVELY WILLIAM	TIN/HARDWARE STO	304-T	4000			5	1200	3000	6000	3000
0007	B	WARD ELIZABE	DRESS MAKING SHO	244/249-M	500			3	250		2500	
0007	B	WARD JOHN	CABINET FACTORY	261	1000	WATER	10	3	150	200	1500	1300
0007	B	WARD MRS SELOME	MILLINER SHOP	249-M	200			3	80	200	400	200
0007	B	WILSON GEORGE	TURNING LATHE SH	259-W	200			1	175	25	200	175
0007	B	YORKE WILLIAM	CHEESE FACTORY	104	900			2	360	4680	5720	1040
0007	B	YOUNG JOHN	BOOT/SHOE STORE	174	1000			4	800	1680	5000	3320
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					32749		79	77	10096	28194	59534	23860

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